

**Groundwater Monitoring Report No. 2  
(Second Quarterly Sampling Event)**

**for the**

**Sheridan Disposal Services Superfund Site  
Operable Unit 2  
Waller County, Texas**

**Prepared by**

**ENTACT Services  
699 South Friendswood Drive, Suite 101  
Friendswood, Texas 77546  
(281) 996-9892**

**January 31, 2007**



**825109**

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## 1.0 INTRODUCTION

### 1.1 Purpose and Objectives

This Second Quarter Groundwater Monitoring Report for the Sheridan Disposal Services Superfund Site Ground Water Migration Management Operable Unit 2 (OU2) has been prepared on behalf of the Sheridan Site Trust (SST) in accordance with the Record of Decision (ROD) signed September 22, 1989, the Statement of Work (SOW), the Ground Water Consent Decree (CD), except as modified by later agreement between SST and the U.S. Environmental Protection Agency (EPA), and the Groundwater Migration Management Workplan approved July 18, 2006.

The purpose of this report is to report the data collected during the second quarter groundwater monitoring event and summarize all the data collected to date.

### 1.2 Site Location and Description

The Sheridan Disposal Services (SDS) Superfund Site is located in northern Waller County, Texas, approximately nine miles north-northwest of the City of Hempstead, Texas and two miles northwest of the intersection of Clark Bottom Road and Farm Road 1736. The property is bounded on the east, south and west sides by farm and ranch lands and on the north by the Brazos River. The site lies within the Gulf Coastal Plain Physiographic Province and is transitionally positioned between the Post Oak Savannah and Blackland Prairie Natural Regions of Texas.

The Site encompassed approximately 110 acres and formerly included a 42-acre evaporation system, a 12-acre lagoon, a 17-acre dike surrounding the former lagoon, and miscellaneous processing equipment. The current site is a 32 acre capped vault completed with OU1 remediation.

### 1.3 Operable Unit 2 History

In the final closure plan submitted to the state by SDS, the Sheridan Disposal Services Superfund Site was considered one unit. It was not until the U.S. EPA was involved with the site that 2 operable units were established. The Source Control unit was designated OU1 and the Ground Water Migration Management unit was designated OU2.

The ROD for OU2 was signed by U.S. EPA on September 27, 1989. The 1989 ROD identified natural attenuation as the selected remedy. The Ground Water Migration Management Consent Decree, ROD and Statement of Work were lodged in federal court in December 1991, but weren't entered until October 22, 1997. The beginning of remedial action for OU2 was predicated on the completion of the remedial action for OU1 based on the assumption that without the source (sludge) available, the ground water should be cleaned by natural attenuation from biological activity, sorption and filtration.

### 1.4 Operable Unit 2 Remedy

The major components of the remedy for Sheridan OU2 include:

- Natural attenuation of the ground water;
- Monitoring of ground water to ensure that the ACLs are not exceeded;

- Sampling and analysis of the Brazos River immediately downgradient and upgradient of the point of entry of ground water from the site to the river; and
- Development of a corrective action plan to ensure that protective levels are met at the point of potential exposure if the ACLs are exceeded.

## 2.0 ASSESSMENT MONITORING PROGRAM

### 2.1 *Record of Decision Requirements*

U.S. EPA has selected ACLs that are the appropriate ground water standard for the site as long as the conditions set forth below remain valid. ACLs are ground water protection standards that are used to assure that hazardous constituents found in the ground water do not pose a risk to human health or the environment. To ensure that the ACLs remain protective, the following conditions must continue to be met at the site:

- 1) The Brazos River must remain the discharge point for ground water from the site.
- 2) The Brazos River cannot be adversely impacted by the discharge of contaminated ground water into the river. To ensure that future adverse impacts from the site do not occur at the point of exposure for environmental receptors in the river, river water will be sampled to ensure that there is no statistically significant increase in contamination, as compared to upgradient locations.
- 3) The ground water use restrictions must be implemented and continued to ensure that affected ground water is not consumed and the integrity of the Brazos River as a hydraulic barrier to ground water flow is maintained. Groundwater restrictions specified in the Record of Decision and Consent Decree include: no groundwater use within 100 feet from the edge of the plume and the owner will take no action at the site without getting consent from EPA, including sale of site.

### 2.2 *Remedy Assessment Criteria*

Natural attenuation was chosen as the final remedy for groundwater. As part of the remedy selection process, ACLs were established for the groundwater protection standard. The ACL values were calculated by determining the volume of affected water entering the river at any time and factoring in the dilution which would occur in the river at historical low flow conditions.

COMPOUND	ALTERNATE CONCENTRATION LIMITS (mg/l)
Benzene	26
Tetrachloroethylene	41
Trans-1,2-Dichloroethylene	26
Trichloroethylene	26
Arsenic	260

The point of compliance for meeting the ACLs is the location where the ACLs must be met and is also the well location where ACLs are monitored. At the point of compliance, ACLs ensure that human health and the environment are protected at the point of exposure and no statistically significant increase in contamination occurs in the river.

## 3.0 SAMPLING AND ANALYSIS PROCEDURES

### 3.1 *Pre-Sampling Activities*

Prior to the start of groundwater and surface water sampling, the existing monitor wells, MW-6, MW-31, MW-34, MW-35, MW-37, and MW-39, were located in the field and the total depth of the monitoring well and the depth to groundwater in each monitoring well were measured.

### 3.2 *Ground Water Sampling*

Groundwater sampling for the constituents of concern was used to determine the presence and concentration of the constituents, and if ACLs were approached or exceeded. The measurement of water levels at the site was used to determine the ground water flow direction and gradient to ensure that the Brazos River is the receptor of ground water from the site. Sampling of water from the Brazos River ensured that there was no impact on the river from the ground water.

#### 3.2.1 Sampling Procedures

Ground water samples were collected from each monitoring well using low flow sampling techniques to minimize the effects of sediment entrained in the sample during analysis. The methods described in the U.S. EPA guidance document titled "Low-Flow (Minimal Drawdown) Groundwater Sampling Procedures" by Puls & Barcelona (EPA/540/S-95/504) were followed as described in the following paragraphs.

A variable flow submersible pump intake was placed at the middle, or slightly above the middle, of the screened interval and a low flow rate was used to draw formation water through the screen and up to the tubing outport. The flow rate was on the order of 0.1 – 0.5 L/min to minimize stress (drawdown of the water in the well casing), thereby minimizing any potential for overlying and underlying stagnant water to enter the pump intake. An in-line flow through cell was attached to the outport which allowed for a continual read-out of water quality parameters (i.e. pH, specific conductivity, temperature, dissolved oxygen, and Eh). Once these parameters had stabilized (indicative of formation water), the well was sampled regardless of the volume of water purged. Turbidity was also measured with intermittent samples using a HACH meter not attached to the flow through cell. Well purging operations during the sampling event were conducted with a YSI Water Quality Meter equipped with a flow through cell. All readings were recorded in the field logbook.

Upon the completion of sampling, the sample containers were labeled and placed on ice in laboratory supplied ice chests. The samples were shipped to the analytical laboratory at the completion of sampling with the proper chain-of-custody forms using an overnight delivery service. In addition to the ground water samples, a quality control sample consisting of one trip blank was also collected during the sampling event.

#### 3.2.2 Analytical Methods

Samples were analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), pesticides, PCBs, and metals. The VOC analysis was performed using EPA SW-846 Method 8260B, SVOC analysis by EPA SW-846 8270C, pesticides by EPA SW-846 8081A, and PCBs by EPA

SW-846 8082. Samples for metals analysis were filtered in the field with a 0.45 micron filter and submitted for analysis by EPA SW-846 6020/7470A. The specific constituents of concern included the following:

Volatile Organic Compounds		
Acetone	Chloroform	4-Methyl-2-pentanone (MIBK)
Benzene	Chloromethane	Styrene
Bromodichloromethane	1,1-Dichloroethane	1,1,2,2-Tetrachloroethane
Bromoform	1,1-Dichloroethene	Tetrachloroethene
Bromomethane	trans-1,2-Dichloroethene	Toluene
2-Butanone (MEK)	1,2-Dichloropropane	1,1,1-Trichloroethane
Carbon disulfide	cis-1,3-Dichloropropene	1,1,2-Trichloroethane
Carbon tetrachloride	trans-1,3-Dichloropropene	Trichloroethene
Chlorodibromomethane	Ethylbenzene	Vinyl acetate
Chlorobenzene	2-Hexanone	Vinyl chloride
Chloroethane	Methylene chloride	Xylenes

<b>Semivolatile Organic Compounds</b>		
Acenaphthene	m-Cresol	Hexachloroethane
Acenaphthylene	p-Cresol	Indeno(1,2,3-cd) pyrene
Anthracene	Di-n-butylphthalate	2-Methylnaphthalene
Benz(a)anthracene	Dibenz (a,h) anthracene	Naphthalene
Benzo(b)fluoranthene	1,2-Dichlorobenzene	2-Nitroaniline
Benzo(k)fluoranthene	1,3-Dichlorobenzene	3-Nitroaniline
Benzo(g,h,i)perylene	1,4-Dichlorobenzene	4-Nitroaniline
Benzo(a)pyrene	3,3'-Dichlorobenzidine	Nitrobenzene
Benzoic acid	2,4-Dichlorophenol	2-Nitrophenol
Benzyl alcohol	Diethyl phthalate	4-Nitrophenol
Bis(2-chloroethoxy) methane	2,4-Dimethylphenol	N-Nitrosodimethylamine
Bis(2-chloroethyl) ether	Dimethylphthalate	N-Nitrosodiphenylamine
Bis(2-chloroisopropyl) ether	4,6-Dinitro-2-methylphenol	N-Nitrosodi-n-propylamine
Bis(2-ethylhexyl) phthalate	2,4-Dinitrophenol	Pentachlorophenol
4-Bromophenyl phenyl ether	2,4-Dinitrotoluene	Phenanthrene
Butyl benzyl phthalate	2,6-Dinitrotoluene	Phenol
p-Chloroaniline	Di-n-octylphthalate	Pyrene
p-Chloro-m-cresol	Fluoranthene	1,2,4-Trichlorobenzene
2-Choronaphthalene	Fluorene	2,4,5-Trichlorophenol
2-Chlorophenol	Hexachlorobenzene	2,4,6-Trichlorophenol
4-Chlorophenyl phenyl ether	Hexachlorobutadiene	
Chrysene	Hexachlorocyclopentadiene	

<b>Metals</b>		
Arsenic	Chromium	Selenium
Barium	Lead	Silver
Cadmium	Mercury	Zinc
	Nickel	

Pesticides/PCBs		
Aldrin	Dieldrin	Aroclor 1242
alpha-BHC	Endosulfan I	Aroclor 1254
Beta-BHC	Endosulfan II	Aroclor 1221
delta-BHC	Endosulfan sulfate	Aroclor 1232
gamma-BHC (Lindane)	Endrin	Aroclor 1248
Chlordane	Endrin ketone	Aroclor 1260
4,4'-DDT	Heptachlor	Aroclor 1216
4,4'-DDE	Heptachlor epoxide	Toxaphene
4,4'-DDD	Methoxychlor	

### **3.3 Surface Water Sampling**

Surface water samples were collected from two locations in the Brazos River to ensure there is no impact to the river from the site. One sample point was adjacent to the point of projected horizontal and vertical entry of the plume into the river and the other was upstream of the site. The samples were collected in quadruplicate to provide an adequate database to perform statistical analysis.

Surface water sampling took place in conjunction with the ground water sampling.

#### **3.3.1 Sampling Procedures**

Sampling of the surface water took place from a boat launched into the river. Since the water depth at the sampling points was greater than 0.46 m (1.5 ft), the samples were collected at a depth of approximately 0.3 m (1 ft) below the water surface. A properly decontaminated Kemmerer bottle was used to collect the surface water samples. The sampling device was lowered to the predetermined depth in the water column so that the sampling end pieces (upper and lower stoppers) were pulled away from the sampling tube (body), allowing the water to be sampled to pass through this tube. When the Kemmerer bottle was at the required depth, the sampling device was closed. The sampler was then retrieved and the first 10 to 20 ml of sample was discharged to clear any potential contamination of the valve. The water sample was then transferred to a properly decontaminated storage container and then into the appropriate laboratory-supplied sample container. Those samples that were analyzed for metals were field filtered using a 0.45 micron filter prior to placement in the sample bottle.

Upon the completion of quadruplicate sampling, the sample containers were labeled and placed on ice in laboratory supplied ice chests. The samples were shipped to the analytical laboratory at the completion of sampling with the proper chain-of-custody forms using an overnight delivery service.

#### **3.3.2 Analytical Methods**

Samples were analyzed for VOCs, SVOCs, pesticides, PCBs, and metals. The VOC analysis was performed using EPA SW-846 Method 8260B, SVOC analysis by EPA SW-846 8270C, pesticides by EPA

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SW-846 8081A, and PCBs by EPA SW-846 8082. Samples for metals analysis were filtered in the field with a 0.45 micron filter and submitted for analysis by EPA SW-846 6010B/7470A. The specific constituents of concern included those presented in Section 3.2.2 of this report.

## 4.0 EVALUATION OF MONITORING DATA

### 4.1 Analytical Results

The cumulative groundwater and surface water monitoring results are presented in Table 1. Data for constituents detected below reporting limits and qualified as estimated ("J") and constituents detected in the blank samples (B) were excluded from further evaluation. The laboratory analytical reports showing all detection limits, estimated J values and the blank results are included in Appendix A. As shown in Table 1.0, concentrations of benzene, tetrachloroethylene, trans-1,2-dichloroethylene, trichloroethylene, and arsenic are below the established ACLs.

Vinyl chloride was detected at a concentration of 0.0068 mg/L in monitoring well MW-37 only. This concentration exceeds the Maximum Contaminant Level (MCL) of 0.002 mg/L, however it was not detected in any of the surface water samples. The second quarter concentration is an order of magnitude lower than the first quarter result. The concentration of vinyl chloride will be tracked closely, and if necessary, an ACL will be calculated using the same methodology as was used to determine the other ACLs.

With regard to a comparison of the November 2006 sampling results to the analytical results for the previous sampling events conducted in August 2006 and October 1987 shown in Figures 2A through 2F, the following conclusions can be drawn:

- Constituent concentrations in the groundwater collected from monitoring wells MW-6, MW-31, MW-34, MW-35, MW-37 and MW-39 generally remain unchanged from the previous quarter. There appears to be a reduction from the 1987 detected values. This could be from an actual reduction, lower detection limits or a combination of both. While the laboratory detection limits for the constituents of concern have become more precise, the constituents detected are within the same order of magnitude.
- While there appears to be an increase in arsenic concentration in MW-31 (fig. 2B), the current concentration of .012 mg/L is significantly below the established ACL of 260 mg/l. The variability of the arsenic results in the shallow aquifer and the surface water is likely affected by the application of agricultural herbicides and pesticides in this rural area.

### 4.2 Groundwater Gradient

The groundwater gradient and flow direction for the site were determined using the groundwater elevation data collected from the monitoring wells during the sampling events. These data are included in Table 2 and depicted on Figure 1. Based on the data collected during the sampling event, the groundwater flow direction is to the northeast towards the Brazos River, as it has historically been.

### 4.3 Statistical Analysis of Surface Water Sampling Data

A limited statistical analysis per Section 3.2 of the Statement of Work for OU2 was performed to compare the adjacent and upstream constituent concentrations for the surface water samples collected during the sampling events. Because no detectable concentrations of benzene, tetrachloroethylene, trans-1,2-dichloroethylene, and trichloroethylene were present in both the adjacent and downstream samples, a statistical analysis was not performed for these constituents beyond that of the sample mean. The background mean for each of these constituents was considered to be equal to the method detection limit of 0.0002 mg/l for benzene, PCE and trans-1,2-DCE and 0.00032 mg/l for TCE. Since no constituents

were detected above these method detection limits in the adjacent or upstream samples, it stands that the background mean was not exceeded in the downstream samples.

Arsenic concentrations, however, were detected slightly above the detection limit in both the adjacent and upstream surface water samples. Therefore, the sample mean for both the adjacent and downstream samples was calculated. The results are as follows:

- Adjacent sample mean: 0.004125
- Upstream sample mean: 0.004575

The average arsenic concentration for the upstream sample slightly exceeds the average arsenic concentration for the adjacent sample. For this reason, the Dunnett's test was performed to determine if a statistically significant increase in the concentration of arsenic has occurred. Based on the calculations, the upstream samples do not have arsenic levels that are significantly higher than the adjacent sample. No statistical difference was found between the upstream and adjacent average sample concentrations. Detailed calculations are attached as Appendix B.

#### **4.4 Further Action**

The concentrations of the constituents of concern in the groundwater or surface water did not exceed the established trigger levels for increased monitoring, as presented below.

Trigger Levels for Increased Frequency Of Groundwater Monitoring	
COMPOUND	TRIGGER LEVEL (mg/L)
Benzene	1
Tetrachloroethylene	2
Trans-1,2-Dichloroethylene	1
Trichloroethylene	1
Arsenic	10

Therefore, based on the results from the November 8-9, 2006 sampling event, no further action with respect to an increase in the monitoring frequency is required.

## **5.0 REFERENCES**

- ENTACT Services, LLC. October 2006. Groundwater Monitoring Report No. 1. ENTACT, Friendswood, Texas.
- ERM-Southwest, Inc. 1990. Statement of Work for Remedial Design and Remedial Action, Ground Water Operable Unit. W.O. #91-21. Houston, Texas.
- U.S. Environmental Protection Agency. 1997. Consent Decree, Civil Action No. H-91-3529. EPA Region VI, Dallas, Texas.
- U.S. Environmental Protection Agency. 1989. Record of Decision for Sheridan Disposal Services Site. EPA Region VI, Dallas, Texas.



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Tables

Table 1.0

**SHERIDAN DISPOSAL SERVICES SUPERFUND SITE**  
**GROUND WATER OPERABLE UNIT 2**  
**ANALYTICAL WATER RESULTS**

Compound	Date	Benzene	PCE	Trans-1,2-DCE	TCE	Total Arsenic	Vinyl Chloride
Alternate Concentration Limit		26	41	26	26	260	
Trigger for RAP Preparation		4	6	4	4	40	
Trigger for Increased Monitoring		1	2	1	1	10	
MW-6	08/03/06	BDL	BDL	BDL	BDL	ND	BDL
	11/08/06	BDL	BDL	BDL	BDL	ND	ND
MW-31	08/03/06	BDL	BDL	BDL	BDL	0.0023	BDL
	11/08/06	BDL	BDL	BDL	BDL	0.012	BDL
MW-34	08/03/06	0.067	BDL	0.0012	ND	0.0058	BDL
	11/08/06	0.0088	BDL	ND	ND	ND	ND
MW-35	08/03/06	ND	BDL	BDL	BDL	BDL	BDL
	11/08/06	BDL	BDL	BDL	BDL	BDL	BDL
MW-37	08/03/06	ND	BDL	ND	ND	ND	0.011
	11/08/06	ND	ND	ND	ND	ND	0.0068
MW-39	08/03/06	BDL	BDL	BDL	BDL	0.051	BDL
	11/08/06	BDL	BDL	BDL	BDL	ND	BDL
R1-A	08/02/06	BDL	BDL	BDL	BDL	0.0047	BDL
	11/09/06	BDL	BDL	BDL	BDL	ND	BDL
R1-B	08/02/06	BDL	BDL	BDL	BDL	ND	BDL
	11/09/06	BDL	BDL	BDL	BDL	ND	BDL
R1-C	08/02/06	BDL	BDL	BDL	BDL	ND	BDL
	11/09/06	BDL	BDL	BDL	BDL	ND	BDL
R1-D	08/02/06	BDL	BDL	BDL	BDL	0.0054	BDL
	11/09/06	BDL	BDL	BDL	BDL	ND	BDL
R2-A <sup>1</sup>	08/02/06	BDL	BDL	BDL	BDL	0.0051	BDL
	11/09/06	BDL	BDL	BDL	BDL	ND	BDL
R2-B	08/02/06	BDL	BDL	BDL	BDL	0.0058	BDL
	11/09/06	BDL	BDL	BDL	BDL	ND	BDL

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Compound	Date	Benzene	PCE	Trans-1,2-DCE	TCE	Total Arsenic	Vinyl Chloride
R2-C	08/02/06	BDL	BDL	BDL	BDL	ND	BDL
	11/09/06	BDL	BDL	BDL	BDL	ND	BDL
R2-D	08/02/06	BDL	BDL	BDL	BDL	ND	BDL
	11/09/06	BDL	BDL	BDL	BDL	0.0054	BDL

Note - all concentrations in mg/L

1 - Upgradient Brazos River Sample

ND - estimated value below reporting limit

BDL - below detection limit

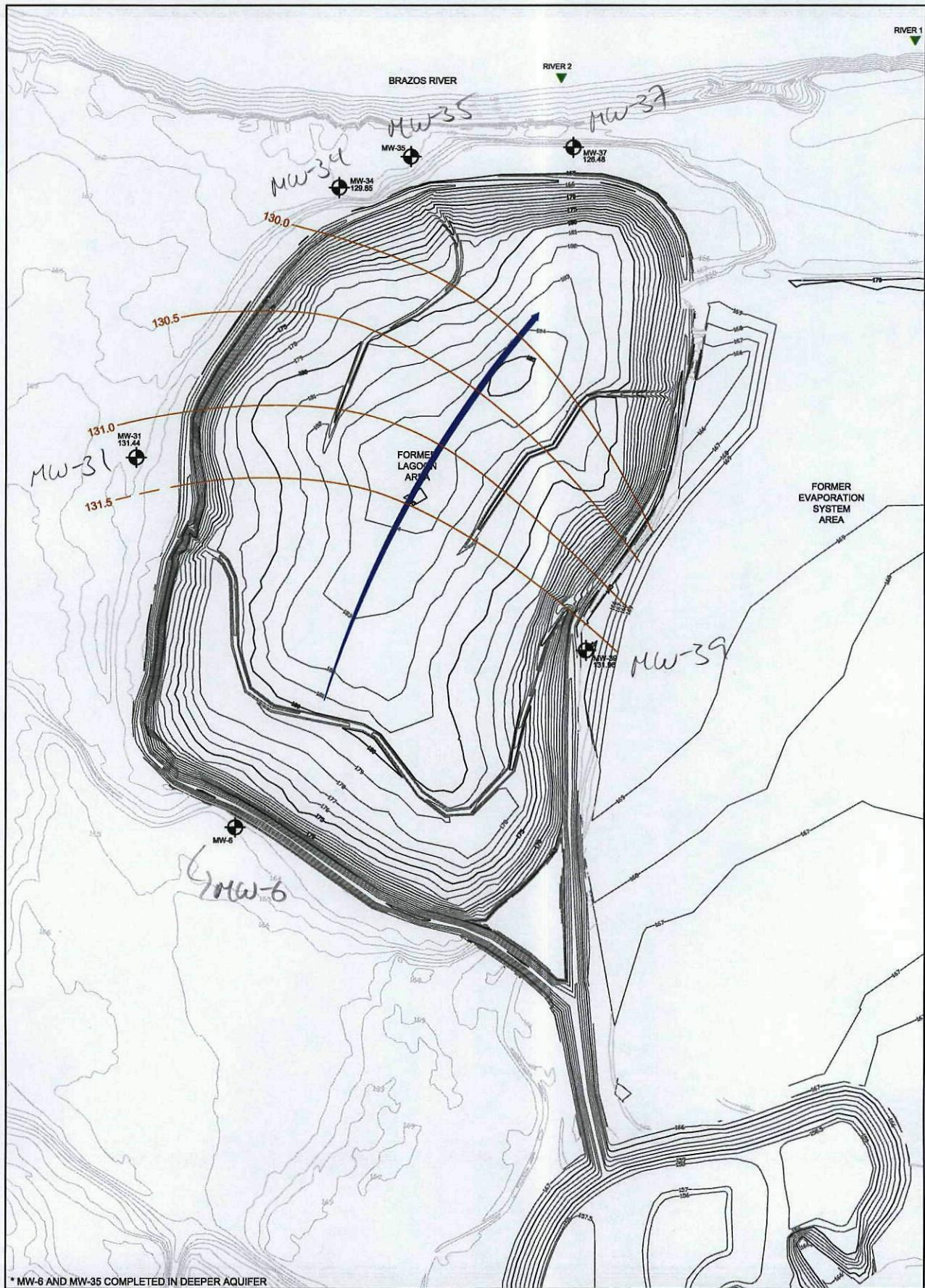
**TABLE 2**  
**SHERIDAN DISPOSAL SERVICES SUPERFUND SITE**  
**GROUNDWATER OPERABLE UNIT 2**  
**WELL DATA**

Monitoring Well ID No.	Sample Date	Ground Elevation (ft amsl)	TOC Elevation (ft amsl)	Standpipe Stickup (+) Stickdown (-)	Total Well Depth (ft from gs)	Casing/Screen Diameter (inches)	Screened Interval (ft from gs)	Depth to Water (ft from gs)	Depth to Water (ft from TOC)	Water Elevation (ft amsl)
MW-6	08/03/06	164.46	167.58	3.12	95.21	2	80-95	33.41	36.53	131.05
	11/08/06							33.12	36.24	131.34
MW-31	08/03/06	166.70	168.67	1.97	65.01	4	25-60	35.34	37.31	131.36
	11/08/06							35.26	37.23	131.44
MW-34	08/03/06	171.07	173.45	2.38	65.50	4	26-61	42.78	45.16	128.29
	11/08/06							41.22	43.60	129.85
MW-35	08/03/06	171.32	173.39	2.07	105.02	2	80-100	41.44	43.51	129.88
	11/08/06							41.32	43.39	130.00
MW-37	08/03/06	161.83	164.09	2.26	59.70	4	25-55	36.65	38.91	125.18
	11/08/06							35.35	37.61	126.48
MW-39	08/03/06	164.81	166.41	1.60	59.00	4	34-54	34.15	35.75	130.66
	11/08/09							32.85	34.45	131.96



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Figures



**LEGEND**

- MW-31** MONITOR WELL LOCATION
- ▼** APPROXIMATE SURFACE WATER SAMPLING LOCATIONS
- 160** REVISED CONTOURS - POST REMEDIATION
- 161** EXISTING CONTOURS
- 130** GROUNDWATER GRADIENT CONTOUR
- GROUNDWATER FLOW DIRECTION

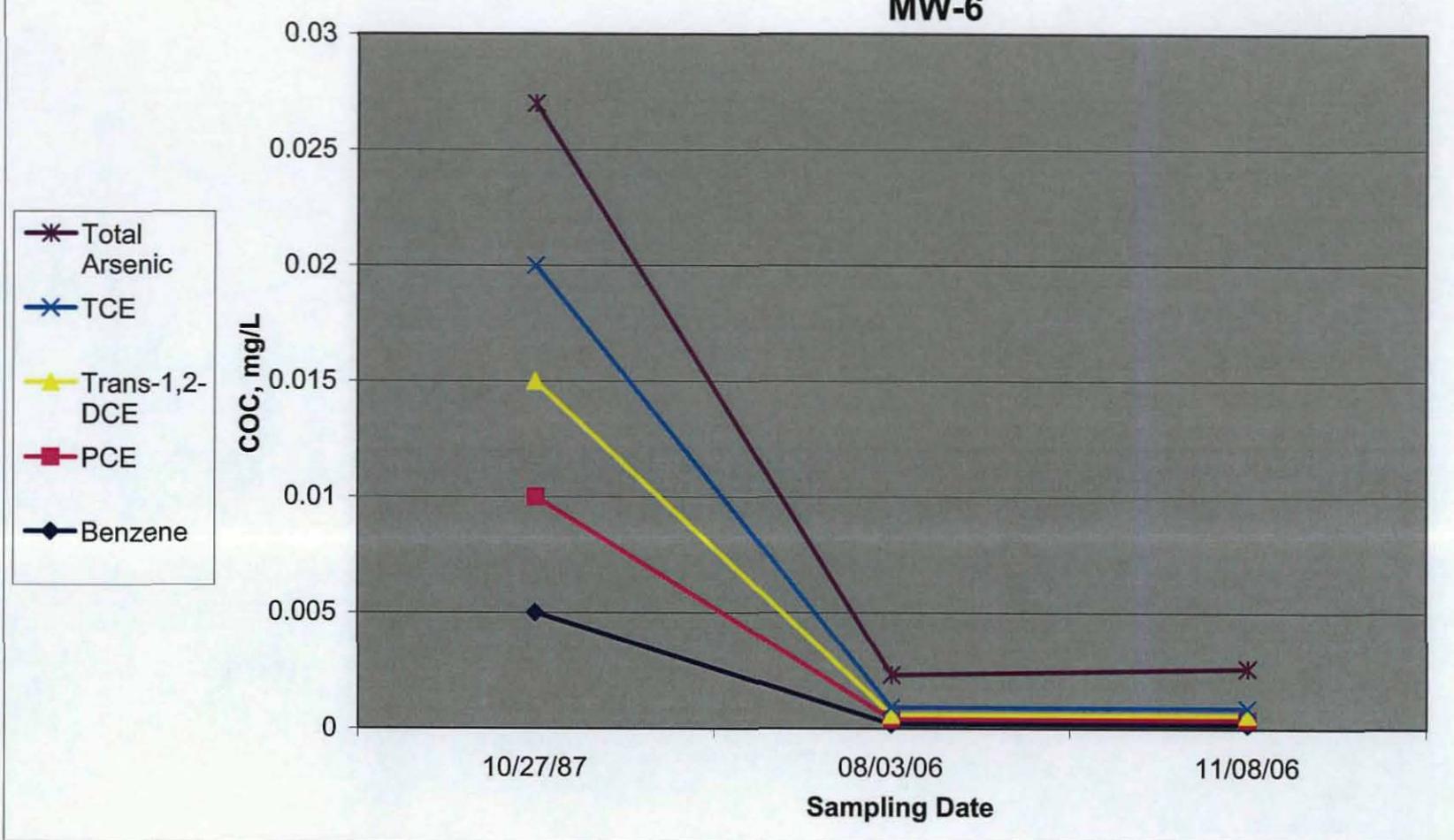


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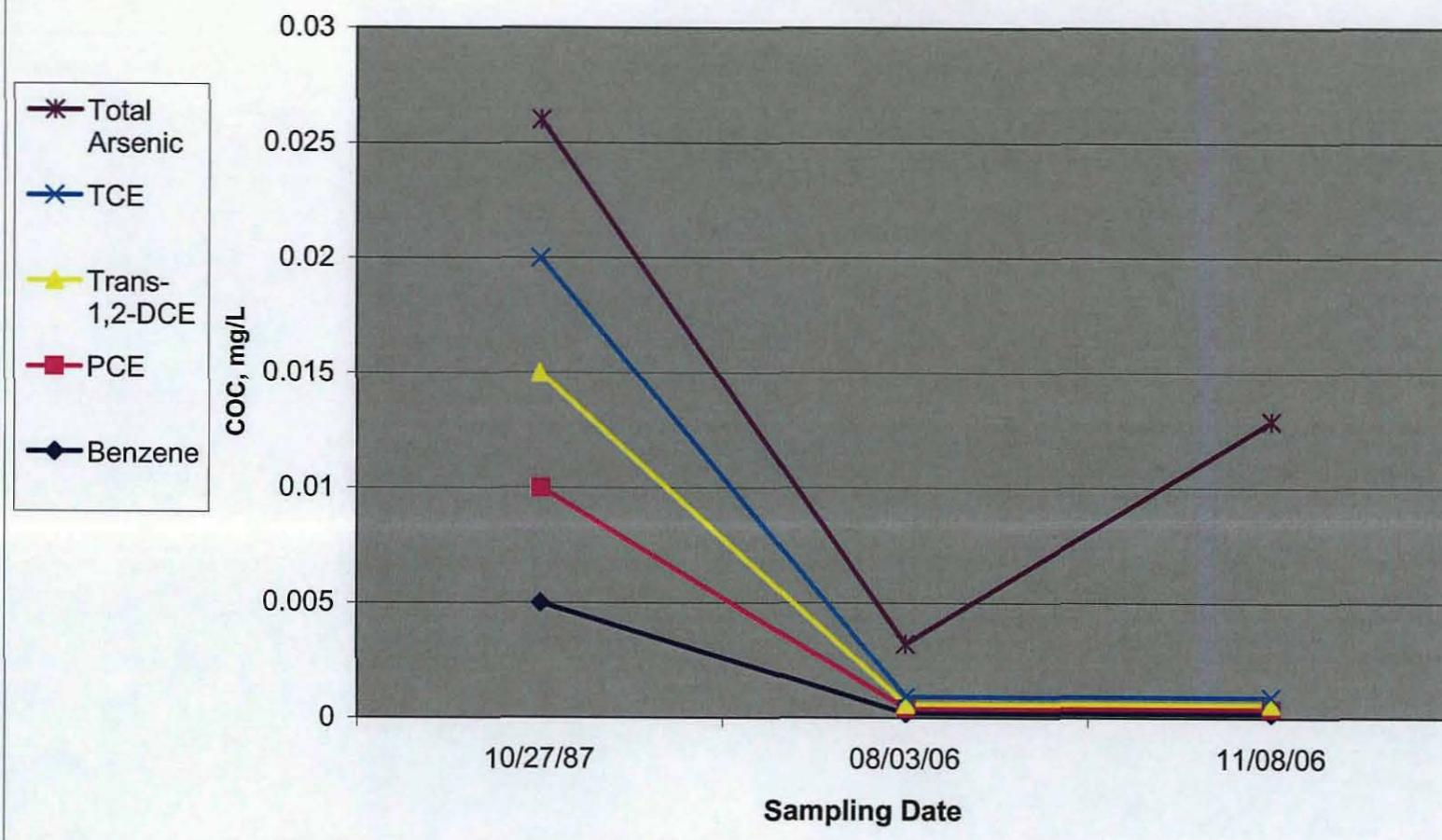
**ENTACT**  
3129 Bear Pen Road  
Georgetown, Texas 78626  
P. 512-869-1363 F. 512-869-7464

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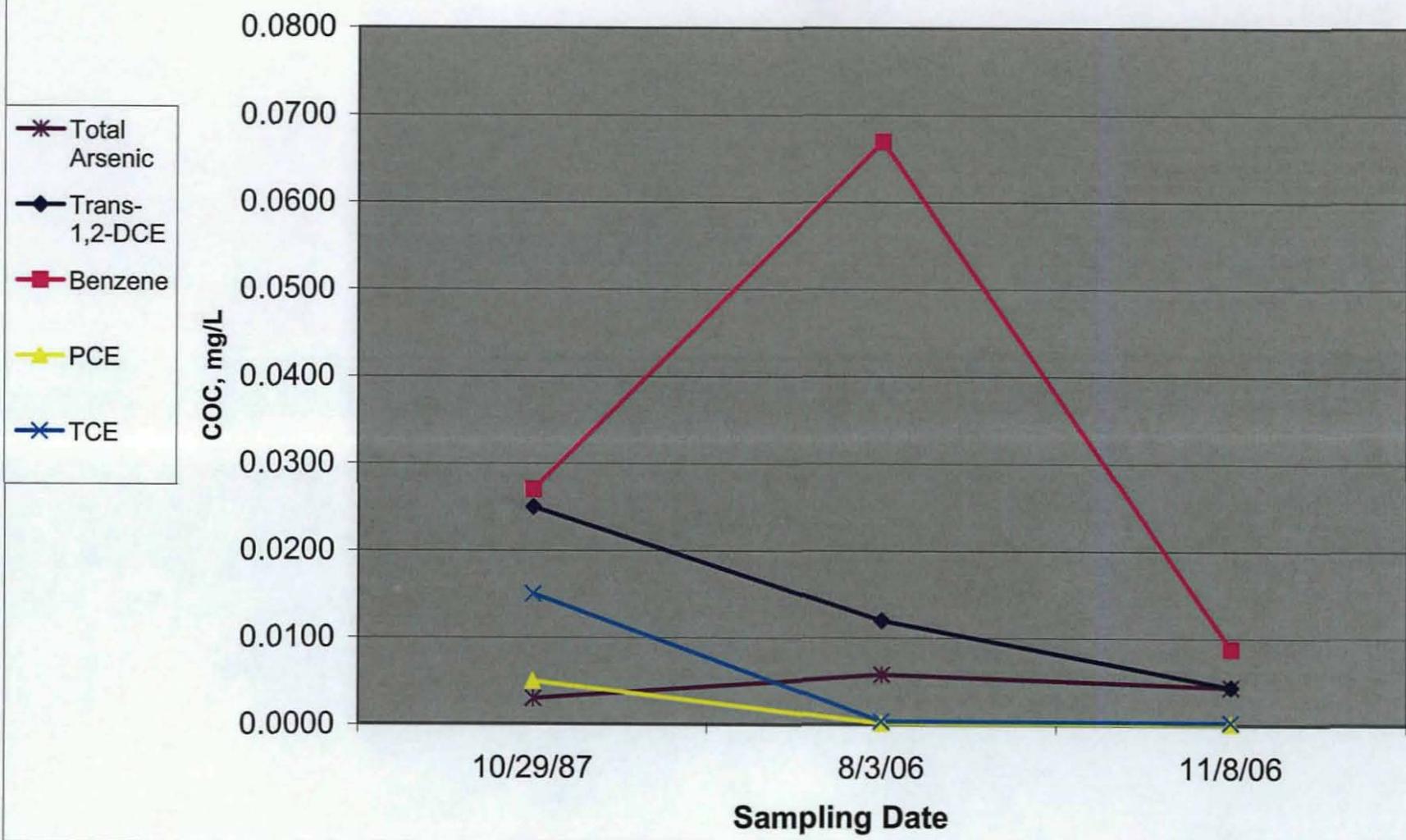
**Figure 2A**  
**MW-6**



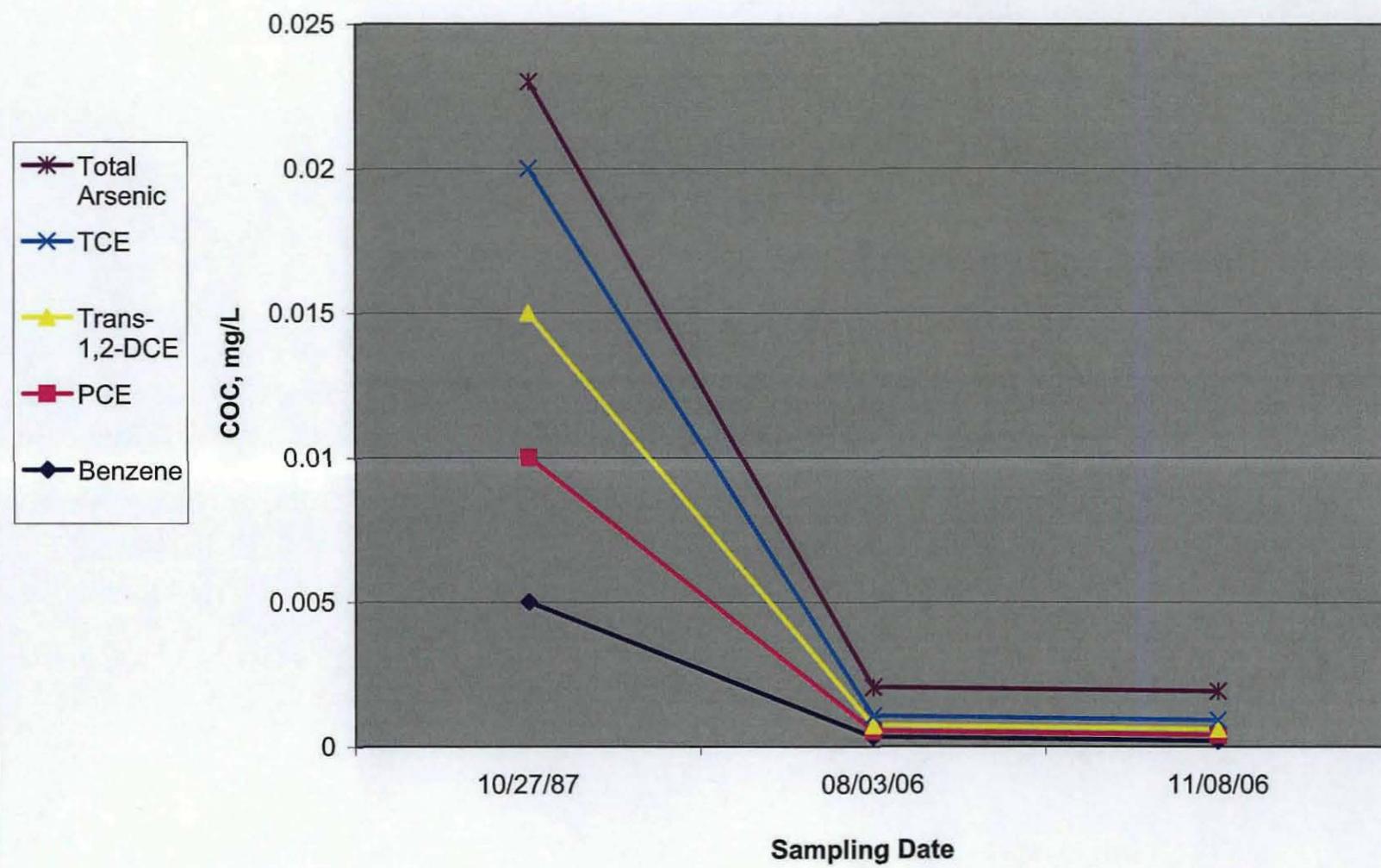
**Figure 2B**  
**MW-31**



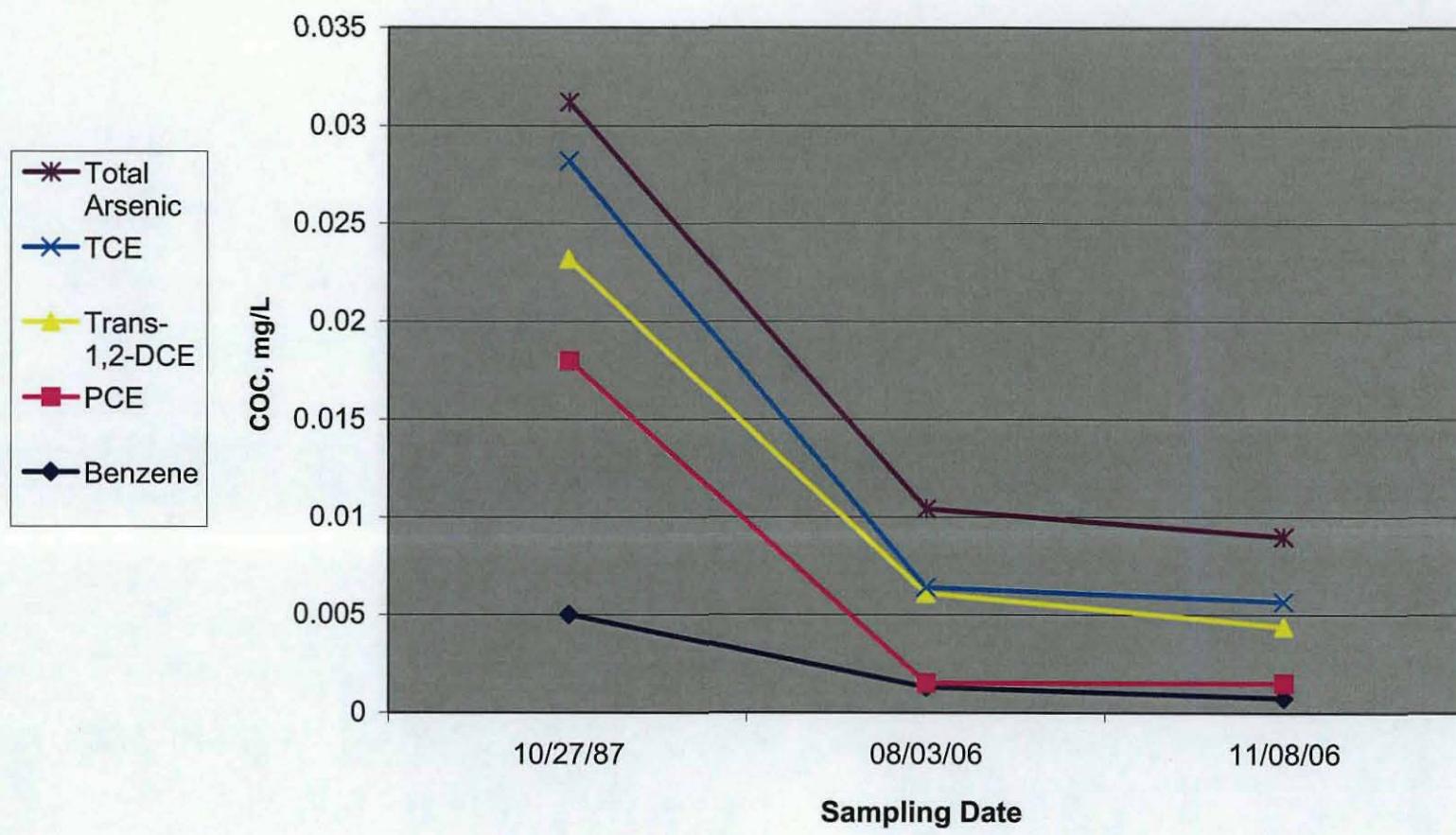
**Figure 2C**  
**MW-34**



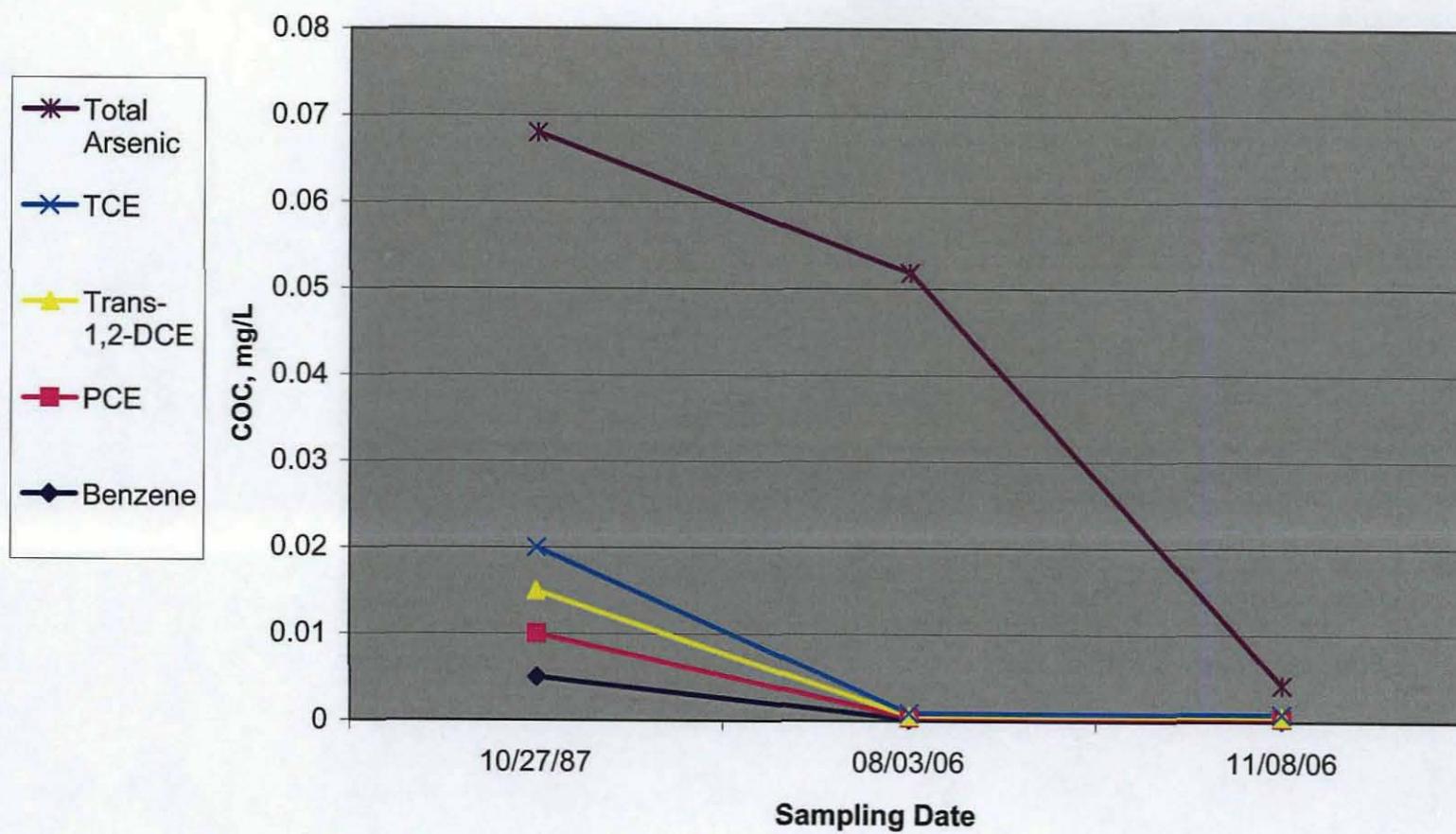
**Figure 2D**  
**MW-35**



**Figure 2E**  
**MW-37**



**Figure 2F**  
**MW-39**





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# Appendix

A

SEVERN  
TRENT

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## ANALYTICAL REPORT

Job Number: 560-2525-1

Job Description D1631 Sheridan Superfund

For:  
Exact Environmental Services, LLC  
3129 Bass Pro Drive  
Grapevine, TX 76051

Attention Ms. Liz Scaggs

*Olga Veronika McDonald*

---

Olga McDonald  
Project Manager  
omcdonald@stl-inc.com  
11/30/2006

Project Manager: Olga McDonald

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Severn Trent Laboratories, Inc.  
STLCorpus Christi 1733 N. Padre Island Drive, Corpus Christi,  
TX 78408  
Tel (361) 289-2673 Fax (361) 289-2471 www.stl-inc.com Page 1 of 76



## Case Narrative for job: 560-J2525-1

Client: Entact Environmental Services, LLC  
Date: 12/06/2006

### Sample Receipt and Login

During the sample receipt and login process it was noted that 5 of 7 coolers were received below 0 degrees C; however, none were frozen. In addition, it was noted that 1 of 2 trip blank vial was received broken, however only one was needed for analysis.

### Total Metals Analysis

Samples 560-2525-1 through 7 were analyzed for total metals using EPA Method 6020 in batch 560-6502. The percent recovery results for the laboratory control standard associated with this batch and samples 1 thorough 7 were slightly above the DOD acceptance criteria; however, they were within method 6020 limits. The data are therefore reported. In addition, the percent recovery results for the matrix spike and matrix spike duplicate associated with sample 1 were above the acceptance criteria for various metals. The method blank and laboratory control standard were within acceptable limits and the data are therefore reported. Sample 1, 1MS, and 1MSD were re-analyzed in batch 560-6566. The percent recovery results for the matrix spike and matrix spike duplicate were below the acceptance criteria for various analytes. The method blank and laboratory control standard were within acceptable limits and the data are therefore reported.

### Polychlorinated Biphenyl (PCB) Analysis

Samples 560-2525-1 through 5 were analyzed for polychlorinated biphenyls using EPA Method 8082 in batch 560-6683. The percent recovery results for the surrogates associated with samples 1, 3, 3MS, and 3MSD were below the acceptance criteria for decachlorobiphenyl; however, tetrachloro-m-xylene was within acceptable limits. The method blank and laboratory control standard were within acceptable limits and the data are therefore reported.

Samples 560-2525-6 and 7 were analyzed for polychlorinated biphenyls using EPA Method 8082 in batch 560-6721. The percent recovery results for the surrogates associated with samples 6 and 7 were below the acceptance criteria for decachlorobiphenyl; however, tetrachloro-m-xylene was within acceptable limits. The method blank and laboratory control standard were within acceptable limits and the data are therefore reported.

### Organochlorine Pesticide Analysis

Samples 560-2525-1 through 5 were analyzed for organochlorine pesticides using EPA Method 8081A in batch 560-6700. The percent recovery result for the laboratory control standard associated with this batch and samples 1 through 5 was slightly above the acceptance criteria for endosulfan I. Therefore sample results could be biased high; however, endosulfan I was not detected in the samples. The data are therefore reported.

Samples 560-2525-6 and 7 were analyzed for organochlorine pesticides using EPA Method 8081A in batch 560-6735. The percent recovery results for the surrogates associated with the method blank and sample 6 were above the acceptance criteria for tetrachloro-m-xylene; however, decachlorobiphenyl was within acceptable limits. The method blank and laboratory control standard were within acceptable limits and the data are therefore reported.

### Semivolatile Organics Analysis

Sample 560-2525-2 was analyzed for semivolatile organics using EPA Method 8270C in batch 560-6534. The relative percent deviation for the matrix spike and matrix spike duplicate associated with sample 2 was above the acceptance criteria for 3,3'-dichlorobenzidine. All other QC was within acceptable limits and the data are therefore reported.

## EXECUTIVE SUMMARY - Detections

Client: Entec Environmental Services, LLC

Job Number: 560-2525-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
560-2525-1	MW-6				
Vinyl chloride		1.6	J	5.0	ug/ L
Carbon disulfide		0.37	J	5.0	ug/ L
Bis(2-ethylhexyl) phthalate		13		10	ug/ L
<i>Dissolved</i>					
As		1.7	J *	5.0	ug/ L
Ba		990	B	50	ug/ L
560-2525-2	MW-6D				
Vinyl chloride		1.9	J	5.0	ug/ L
Carbon disulfide		0.30	J	5.0	ug/ L
Acetone		1.6	J	100	ug/ L
<i>Dissolved</i>					
As		1.7	J *	5.0	ug/ L
Ba		960	B	50	ug/ L
560-2525-3	MW-31				
<i>Dissolved</i>					
As		12	*	5.0	ug/ L
Ba		390	B	50	ug/ L
560-2525-4	MW-39				
<i>Dissolved</i>					
As		3.3	J *	5.0	ug/ L
Ba		180	B	50	ug/ L
560-2525-5	MW-35				
<i>Dissolved</i>					
Ba		140	B	50	ug/ L

## EXECUTIVE SUMMARY - Detections

Client: Enstar Environmental Services, LLC

Job Number: 560-2525-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
<b>560-2525-6 MW-37</b>					
Vinyl chloride	6.8		5.0	ug/ L	8260B
trans-1, 2-Dichloroethene	2.9	J	5.0	ug/ L	8260B
Benzene	0.76	J	5.0	ug/ L	8260B
Trichloroethene	1.3	J	5.0	ug/ L	8260B
Toluene	0.22	J	5.0	ug/ L	8260B
Tetrachloroethene	0.74	J	5.0	ug/ L	8260B
Chlorobenzene	1.4	J	5.0	ug/ L	8260B
<i>Dissolved</i>					
As	3.3	J *	5.0	ug/ L	6020
Ba	360	B	50	ug/ L	6020
Se	3.7	J *	5.0	ug/ L	6020
<b>560-2525-7 MW-34</b>					
Chloroethane	0.44	J	5.0	ug/ L	8260B
Vinyl chloride	0.67	J	5.0	ug/ L	8260B
1, 1-Dichloroethene	0.32	J	5.0	ug/ L	8260B
Acetone	10	J	100	ug/ L	8260B
trans-1, 2-Dichloroethene	4.4	J	5.0	ug/ L	8260B
Benzene	8.8		5.0	ug/ L	8260B
Trichloroethene	0.40	J	5.0	ug/ L	8260B
Chlorobenzene	0.29	J	5.0	ug/ L	8260B
<i>Dissolved</i>					
As	4.4	J *	5.0	ug/ L	6020
Ba	920	B	50	ug/ L	6020
<b>560-2525-8TB TRIP BLANK</b>					
Methylene Chloride	0.85	J B	50	ug/ L	8260B

## METHOD SUMMARY

Client: Entact Environmental Services, LLC

Job Number: 560-2525-1

Description	Lab Location	Method	Preparation Method
<b>Matrix: Water</b>			
Volatile Organic Compounds by GC/MS Purge-and-Trap	STL CC STL CC	SW846 8260B SW846 5030B	
Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) Continuous Liquid-Liquid Extraction	STL CC STL CC	SW846 8270C SW846 3520C	
Organochlorine Pesticides by Gas Chromatography Continuous Liquid-Liquid Extraction/Shared Prep	STL CC STL CC	SW846 8081A SW846 3520C	
Polychlorinated Biphenyls (PCBs) by Gas Chromatography Continuous Liquid-Liquid Extraction/Shared Prep	STL CC STL CC	SW846 8082 SW846 3520C	
Inductively Coupled Plasma - Mass Spectrometry Acid Digestion of Aqueous Samples and Extracts Sample Filtration performed in the Field	STL CC STL CC STL CC	SW846 6020 SW846 3010A FIELD_FLTRD	
Mercury in Liquid Waste (Manual Cold Vapor Technique) Mercury in Liquid Waste (Manual Cold Vapor Sample Filtration performed in the Field	STL CC STL CC STL CC	SW846 7470A SW846 7470A FIELD_FLTRD	

### LAB REFERENCES:

STL CC = STL Corpus Christi

### METHOD REFERENCES:

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986  
And Its Updates.

## METHOD / ANALYST SUMMARY

Client: Entact Environmental Services, LLC

Job Number: 560-2525-1

<b>Method</b>	<b>Analyst</b>	<b>Analyst ID</b>
SW846 8260B	Michalk, Kevin	KRM
SW846 8270C	Craig, Bronson	BC
SW846 8081A	Williams, Sharon	SEW
SW846 8082	Williams, Sharon	SEW
SW846 6020	Mathewson, John E	JEM
SW846 7470A	Theriault, Ray	RT

## SAMPLE SUMMARY

Client: Entact Environmental Services, LLC

Job Number: 560-2525-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
560-2525-1	MW-6	Water	11/08/2006 0945	11/10/2006 0920
560-2525-2	MW-6D	Water	11/08/2006 1015	11/10/2006 0920
560-2525-3	MW-31	Water	11/08/2006 1150	11/10/2006 0920
560-2525-4	MW-39	Water	11/08/2006 1308	11/10/2006 0920
560-2525-5	MW-35	Water	11/08/2006 1414	11/10/2006 0920
560-2525-6	MW-37	Water	11/08/2006 1530	11/10/2006 0920
560-2525-7	MW-34	Water	11/08/2006 1445	11/10/2006 0920
560-2525-8TB	trip blank	Water	11/08/2006 0000	11/10/2006 0920

## **SAMPLE RESULTS**

Ms. Liz Scaggs  
 Entact Environmental Services, LLC  
 3129 Bass Pro Drive  
 Grapevine, TX 76051

Job Number: 560-2525-1

**Client Sample ID:** MW-6  
**Lab Sample ID:** 560-2525-1

Date Sampled: 11/08/2006 0945  
 Date Received: 11/10/2006 0920  
 Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: 8260B</b>	Date Analyzed:	11/13/2006 1243			
<b>Prep Method: 5030B</b>	Date Prepared:	11/13/2006 1243			
Chloromethane	0.39	U	ug/L	0.39	5.0
Vinyl chloride	1.6	J	ug/L	0.20	5.0
Bromomethane	0.39	U	ug/L	0.39	5.0
Chloroethane	0.40	U	ug/L	0.40	5.0
1,1-Dichloroethene	0.20	U	ug/L	0.20	5.0
Carbon disulfide	0.37	J	ug/L	0.20	5.0
Methylene Chloride	0.53	U	ug/L	0.53	50
Acetone	0.46	U	ug/L	0.46	100
trans-1,2-Dichloroethene	0.20	U	ug/L	0.20	5.0
1,1-Dichloroethane	0.20	U	ug/L	0.20	5.0
Vinyl acetate	0.20	U	ug/L	0.20	5.0
Chloroform	0.20	U	ug/L	0.20	5.0
Carbon tetrachloride	0.25	U	ug/L	0.25	5.0
1,1,1-Trichloroethane	0.20	U	ug/L	0.20	5.0
Benzene	0.20	U	ug/L	0.20	5.0
Trichloroethene	0.32	U	ug/L	0.32	5.0
1,2-Dichloropropane	0.20	U	ug/L	0.20	5.0
Bromodichloromethane	0.20	U	ug/L	0.20	5.0
cis-1,3-Dichloropropene	0.20	U	ug/L	0.20	5.0
Toluene	0.20	U	ug/L	0.20	5.0
methyl isobutyl ketone	0.20	U	ug/L	0.20	5.0
trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	5.0
Tetrachloroethene	0.20	U	ug/L	0.20	5.0
1,1,2-Trichloroethane	0.20	U	ug/L	0.20	5.0
Chlorodibromomethane	0.22	U	ug/L	0.22	5.0
2-Hexanone	0.50	U	ug/L	0.50	5.0
Chlorobenzene	0.20	U	ug/L	0.20	5.0
Ethylbenzene	0.20	U	ug/L	0.20	5.0
Bromoform	0.50	U	ug/L	0.50	5.0
Styrene	0.50	U	ug/L	0.50	5.0
1,1,2,2-Tetrachloroethane	0.20	U	ug/L	0.20	5.0
Methyl Ethyl Ketone	0.47	U	ug/L	0.47	5.0
Xylenes, Total	0.90	U	ug/L	0.90	15
Surrogate				Acceptance Limits	
Dibromofluoromethane (Surr)	95	%		80 - 120	
1,2-Dichloroethane-d4 (Surr)	95	%		70 - 120	
Toluene-d8 (Surr)	93	%		80 - 120	
4-Bromofluorobenzene (Surr)	98	%		75 - 120	

Ms. Liz Scaggs  
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Job Number: 560-2525-1

**Client Sample ID:** MW-6  
**Lab Sample ID:** 560-2525-1

Date Sampled: 11/08/2006 0945  
 Date Received: 11/10/2006 0920  
 Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: 8270C</b>	Date Analyzed:	11/15/2006 2127			
<b>Prep Method: 3520C</b>	Date Prepared:	11/13/2006 0817			
Phenol	0.50	U	ug/L	0.50	10
Bis(2-chloroethyl)ether	0.71	U	ug/L	0.71	10
2-Chlorophenol	0.50	U	ug/L	0.50	10
1,3-Dichlorobenzene	0.53	U	ug/L	0.53	10
1,4-Dichlorobenzene	0.74	U	ug/L	0.74	10
Benzyl alcohol	1.4	U	ug/L	1.4	20
1,2-Dichlorobenzene	0.50	U	ug/L	0.50	10
2-Methylphenol	0.50	U	ug/L	0.50	10
Bis(2-chloroisopropyl) ether	0.57	U	ug/L	0.57	10
3 & 4 Methylphenol	0.88	U	ug/L	0.88	10
N-Nitrosodi-n-propylamine	0.65	U	ug/L	0.65	10
Hexachloroethane	0.58	U	ug/L	0.58	10
Nitrobenzene	0.50	U	ug/L	0.50	10
2-Nitrophenol	0.50	U	ug/L	0.50	10
2,4-Dimethylphenol	0.56	U	ug/L	0.56	10
Bis(2-chloroethoxy)methane	0.59	U	ug/L	0.59	10
2,4-Dichlorophenol	0.50	U	ug/L	0.50	10
1,2,4-Trichlorobenzene	0.59	U	ug/L	0.59	10
Naphthalene	0.50	U	ug/L	0.50	10
4-Chloroaniline	0.50	U	ug/L	0.50	10
Hexachlorobutadiene	0.50	U	ug/L	0.50	10
4-Chloro-3-methylphenol	0.50	U	ug/L	0.50	10
2-Methylnaphthalene	0.50	U	ug/L	0.50	10
Hexachlorocyclopentadiene	20	U	ug/L	20	50
2,4,6-Trichlorophenol	0.50	U	ug/L	0.50	10
2,4,5-Trichlorophenol	0.50	U	ug/L	0.50	10
2-Chloronaphthalene	0.50	U	ug/L	0.50	10
2-Nitroaniline	5.0	U	ug/L	5.0	50
Dimethyl phthalate	0.55	U	ug/L	0.55	10
Acenaphthylene	0.50	U	ug/L	0.50	10
2,6-Dinitrotoluene	0.52	U	ug/L	0.52	10
3-Nitroaniline	1.8	U	ug/L	1.8	50
Acenaphthene	0.57	U	ug/L	0.57	10
2,4-Dinitrophenol	20	U	ug/L	20	50
4-Nitrophenol	10	U	ug/L	10	50
2,4-Dinitrotoluene	5.0	U	ug/L	5.0	10
Diethyl phthalate	0.52	U	ug/L	0.52	10
Fluorene	0.61	U	ug/L	0.61	10
4-Chlorophenyl phenyl ether	0.52	U	ug/L	0.52	10
4-Nitroaniline	1.5	U	ug/L	1.5	50

Ms. Liz Scaggs  
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Job Number: 560-2525-1

**Client Sample ID:** MW-6  
**Lab Sample ID:** 560-2525-1

Date Sampled: 11/08/2006 0945  
 Date Received: 11/10/2006 0920  
 Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: 8270C</b>	Date Analyzed:	11/15/2006 2127			
<b>Prep Method: 3520C</b>	Date Prepared:	11/13/2006 0817			
4,6-Dinitro-2-methylphenol	5.0	ug/L	5.0	50	1.0
N-Nitrosodiphenylamine	0.51	ug/L	0.51	10	1.0
4-Bromophenyl phenyl ether	0.74	ug/L	0.74	10	1.0
Hexachlorobenzene	0.65	ug/L	0.65	10	1.0
Phenanthrene	0.51	ug/L	0.51	10	1.0
Anthracene	0.50	ug/L	0.50	10	1.0
Di-n-butyl phthalate	0.50	ug/L	0.50	10	1.0
Fluoranthene	0.50	ug/L	0.50	10	1.0
Pyrene	0.50	ug/L	0.50	10	1.0
Butyl benzyl phthalate	0.50	ug/L	0.50	10	1.0
Benzo[a]anthracene	0.50	ug/L	0.50	10	1.0
Chrysene	0.50	ug/L	0.50	10	1.0
Bis(2-ethylhexyl) phthalate	13	ug/L	1.9	10	1.0
Di-n-octyl phthalate	5.0	ug/L	5.0	10	1.0
Benzo[b]fluoranthene	0.50	ug/L	0.50	10	1.0
Benzo[k]fluoranthene	0.50	ug/L	0.50	10	1.0
Benzo[a]pyrene	0.50	ug/L	0.50	10	1.0
Indeno[1,2,3-cd]pyrene	0.50	ug/L	0.50	10	1.0
Dibenz(a,h)anthracene	0.50	ug/L	0.50	10	1.0
Benzo[g,h,i]perylene	0.50	ug/L	0.50	10	1.0
3,3'-Dichlorobenzidine	5.0	ug/L	5.0	20	1.0
Pentachlorophenol	5.0	ug/L	5.0	50	1.0
N-Nitrosodimethylamine	1.3	ug/L	1.3	10	1.0
Benzoic acid	20	ug/L	20	50	1.0
<hr/>					
Surrogate			Acceptance Limits		
2-Fluorophenol	42	%	10 - 120		
Phenol-d5	48	%	12 - 120		
Nitrobenzene-d5	72	%	30 - 120		
2-Fluorobiphenyl	66	%	26 - 120		
2,4,6-Tribromophenol	66	%	25 - 120		
Terphenyl-d14	63	%	10 - 120		

<b>Method: 8081A</b>	Date Analyzed:	11/22/2006 2210
<b>Prep Method: 3520C</b>	Date Prepared:	11/15/2006 0700
alpha-BHC	0.0056	ug/L
beta-BHC	0.0056	ug/L
delta-BHC	0.0025	ug/L
Heptachlor	0.0059	ug/L
Aldrin	0.0025	ug/L

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Job Number: 560-2525-1

**Client Sample ID: MW-6**  
**Lab Sample ID: 560-2525-1**

Date Sampled: 11/08/2006 0945  
 Date Received: 11/10/2006 0920  
 Client Matrix: Water

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
<b>Method: 8081A</b>	Date Analyzed:	11/22/2006 2210				
<b>Prep Method: 3520C</b>	Date Prepared:	11/15/2006 0700				
Heptachlor epoxide	0.0028	U	ug/L	0.0028	0.050	1.0
4,4'-DDE	0.0026	U	ug/L	0.0026	0.050	1.0
Endosulfan I	0.0089	U *	ug/L	0.0089	0.050	1.0
Dieldrin	0.0083	U	ug/L	0.0083	0.050	1.0
Endrin	0.0025	U	ug/L	0.0025	0.050	1.0
4,4'-DDD	0.0029	U	ug/L	0.0029	0.050	1.0
Endosulfan II	0.0035	U	ug/L	0.0035	0.050	1.0
4,4'-DDT	0.0034	U	ug/L	0.0034	0.050	1.0
Methoxychlor	0.023	U	ug/L	0.023	0.050	1.0
Endosulfan sulfate	0.0039	U	ug/L	0.0039	0.050	1.0
Endrin ketone	0.0073	U	ug/L	0.0073	0.050	1.0
Chlordane (technical)	0.050	U	ug/L	0.050	0.50	1.0
Toxaphene	0.50	U	ug/L	0.50	5.0	1.0
gamma-BHC (Lindane)	0.0027	U	ug/L	0.0027	0.050	1.0
<b>Surrogate</b>				<b>Acceptance Limits</b>		
Tetrachloro-m-xylene	95		%	57 - 127		
DCB Decachlorobiphenyl	37		%	10 - 152		
<b>Method: 8082</b>	Date Analyzed:	11/23/2006 0514				
<b>Prep Method: 3520C</b>	Date Prepared:	11/15/2006 1600				
Aroclor 1016	0.17	U	ug/L	0.17	0.50	1.0
Aroclor 1221	0.17	U	ug/L	0.17	0.50	1.0
Aroclor 1232	0.17	U	ug/L	0.17	0.50	1.0
Aroclor 1242	0.17	U	ug/L	0.17	0.50	1.0
Aroclor 1248	0.17	U	ug/L	0.17	0.50	1.0
Aroclor 1254	0.17	U	ug/L	0.17	0.50	1.0
Aroclor 1260	0.17	U	ug/L	0.17	0.50	1.0
<b>Surrogate</b>				<b>Acceptance Limits</b>		
Tetrachloro-m-xylene	85		%	25 - 140		
DCB Decachlorobiphenyl	40	X	%	42 - 133		
<b>Method: DISS-6020</b>	Date Analyzed:	11/15/2006 1951				
<b>Prep Method: 3010A</b>	Date Prepared:	11/15/2006 1030				
Ag	1.0	U *	ug/L	1.0	5.0	10
As	1.7	J *	ug/L	1.0	5.0	10
Ba	990	B	ug/L	1.0	50	10
Cd	1.0	U	ug/L	1.0	5.0	10

Ms. Liz Scaggs  
Entact Environmental Services, LLC  
3129 Bass Pro Drive  
Grapevine, TX 76051

Job Number: 560-2525-1

**Client Sample ID:** MW-6  
**Lab Sample ID:** 560-2525-1

Date Sampled: 11/08/2006 0945  
Date Received: 11/10/2006 0920  
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method:</b> DISS-6020	Date Analyzed:	11/15/2006 1951			
<b>Prep Method:</b> 3010A	Date Prepared:	11/15/2006 1030			
Cr	1.1	ug/L	1.1	20	10
Ni	1.0	ug/L	1.0	5.0	10
Pb	1.0	ug/L	1.0	5.0	10
Se	1.0	ug/L	1.0	5.0	10
Zn	50	ug/L	50	100	10
<b>Method:</b> DISS-7470A	Date Analyzed:	11/13/2006 1506			
<b>Prep Method:</b> 7470A	Date Prepared:	11/13/2006 1000			
Hg	0.00013	U	0.00013	0.0020	1.0

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Job Number: 560-2525-1

**Client Sample ID:** MW-6D  
**Lab Sample ID:** 560-2525-2

Date Sampled: 11/08/2006 1015  
 Date Received: 11/10/2006 0920  
 Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: 8260B</b>	Date Analyzed:	11/13/2006 1308			
<b>Prep Method: 5030B</b>	Date Prepared:	11/13/2006 1308			
Chloromethane	0.39	U	ug/L	0.39	5.0
Vinyl chloride	1.9	J	ug/L	0.20	5.0
Bromomethane	0.39	U	ug/L	0.39	5.0
Chloroethane	0.40	U	ug/L	0.40	5.0
1,1-Dichloroethene	0.20	U	ug/L	0.20	5.0
Carbon disulfide	0.30	J	ug/L	0.20	5.0
Methylene Chloride	0.53	U	ug/L	0.53	50
Acetone	1.6	J	ug/L	0.46	100
trans-1,2-Dichloroethene	0.20	U	ug/L	0.20	5.0
1,1-Dichloroethane	0.20	U	ug/L	0.20	5.0
Vinyl acetate	0.20	U	ug/L	0.20	5.0
Chloroform	0.20	U	ug/L	0.20	5.0
Carbon tetrachloride	0.25	U	ug/L	0.25	5.0
1,1,1-Trichloroethane	0.20	U	ug/L	0.20	5.0
Benzene	0.20	U	ug/L	0.20	5.0
Trichloroethene	0.32	U	ug/L	0.32	5.0
1,2-Dichloropropane	0.20	U	ug/L	0.20	5.0
Bromodichloromethane	0.20	U	ug/L	0.20	5.0
cis-1,3-Dichloropropene	0.20	U	ug/L	0.20	5.0
Toluene	0.20	U	ug/L	0.20	5.0
methyl isobutyl ketone	0.20	U	ug/L	0.20	5.0
trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	5.0
Tetrachloroethene	0.20	U	ug/L	0.20	5.0
1,1,2-Trichloroethane	0.20	U	ug/L	0.20	5.0
Chlorodibromomethane	0.22	U	ug/L	0.22	5.0
2-Hexanone	0.50	U	ug/L	0.50	5.0
Chlorobenzene	0.20	U	ug/L	0.20	5.0
Ethylbenzene	0.20	U	ug/L	0.20	5.0
Bromoform	0.50	U	ug/L	0.50	5.0
Styrene	0.50	U	ug/L	0.50	5.0
1,1,2,2-Tetrachloroethane	0.20	U	ug/L	0.20	5.0
Methyl Ethyl Ketone	0.47	U	ug/L	0.47	5.0
Xylenes, Total	0.90	U	ug/L	0.90	15
Surrogate					
Dibromofluoromethane (Surr)	98	%		Acceptance Limits	80 - 120
1,2-Dichloroethane-d4 (Surr)	100	%			70 - 120
Toluene-d8 (Surr)	90	%			80 - 120
4-Bromofluorobenzene (Surr)	96	%			75 - 120

Ms. Liz Scaggs  
 Entact Environmental Services, LLC  
 3129 Bass Pro Drive  
 Grapevine, TX 76051

Job Number: 560-2525-1

**Client Sample ID:** MW-6D  
**Lab Sample ID:** 560-2525-2

Date Sampled: 11/08/2006 1015  
 Date Received: 11/10/2006 0920  
 Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: 8270C</b>	Date Analyzed:	11/15/2006 2031			
<b>Prep Method: 3520C</b>	Date Prepared:	11/13/2006 0817			
Phenol	0.50	U	ug/L	0.50	10
Bis(2-chloroethyl)ether	0.71	U	ug/L	0.71	10
2-Chlorophenol	0.50	U	ug/L	0.50	10
1,3-Dichlorobenzene	0.53	U	ug/L	0.53	10
1,4-Dichlorobenzene	0.74	U	ug/L	0.74	10
Benzyl alcohol	1.4	U	ug/L	1.4	20
1,2-Dichlorobenzene	0.50	U	ug/L	0.50	10
2-Methylphenol	0.50	U	ug/L	0.50	10
Bis(2-chloroisopropyl) ether	0.57	U	ug/L	0.57	10
3 & 4 Methylphenol	0.88	U	ug/L	0.88	10
N-Nitrosodi-n-propylamine	0.65	U	ug/L	0.65	10
Hexachloroethane	0.58	U	ug/L	0.58	10
Nitrobenzene	0.50	U	ug/L	0.50	10
2-Nitrophenol	0.50	U	ug/L	0.50	10
2,4-Dimethylphenol	0.56	U	ug/L	0.56	10
Bis(2-chloroethoxy)methane	0.59	U	ug/L	0.59	10
2,4-Dichlorophenol	0.50	U	ug/L	0.50	10
1,2,4-Trichlorobenzene	0.59	U	ug/L	0.59	10
Naphthalene	0.50	U	ug/L	0.50	10
4-Chloroaniline	0.50	U	ug/L	0.50	10
Hexachlorobutadiene	0.50	U	ug/L	0.50	10
4-Chloro-3-methylphenol	0.50	U	ug/L	0.50	10
2-Methylnaphthalene	0.50	U	ug/L	0.50	10
Hexachlorocyclopentadiene	20	U	ug/L	20	50
2,4,6-Trichlorophenol	0.50	U	ug/L	0.50	10
2,4,5-Trichlorophenol	0.50	U	ug/L	0.50	10
2-Chloronaphthalene	0.50	U	ug/L	0.50	10
2-Nitroaniline	5.0	U	ug/L	5.0	50
Dimethyl phthalate	0.55	U	ug/L	0.55	10
Acenaphthylene	0.50	U	ug/L	0.50	10
2,6-Dinitrotoluene	0.52	U	ug/L	0.52	10
3-Nitroaniline	1.8	U	ug/L	1.8	50
Acenaphthene	0.57	U	ug/L	0.57	10
2,4-Dinitrophenol	20	U	ug/L	20	50
4-Nitrophenol	10	U	ug/L	10	50
2,4-Dinitrotoluene	5.0	U	ug/L	5.0	10
Diethyl phthalate	0.52	U	ug/L	0.52	10
Fluorene	0.61	U	ug/L	0.61	10
4-Chlorophenyl phenyl ether	0.52	U	ug/L	0.52	10
4-Nitroaniline	1.5	U	ug/L	1.5	50

Ms. Liz Scaggs  
 Entact Environmental Services, LLC  
 3129 Bass Pro Drive  
 Grapevine, TX 76051

Job Number: 560-2525-1

**Client Sample ID:** MW-6D  
**Lab Sample ID:** 560-2525-2

Date Sampled: 11/08/2006 1015  
 Date Received: 11/10/2006 0920  
 Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution	
<b>Method: 8270C</b>	Date Analyzed:	11/15/2006 2031				
<b>Prep Method: 3520C</b>	Date Prepared:	11/13/2006 0817				
4,6-Dinitro-2-methylphenol	5.0	U	ug/L	5.0	50	1.0
N-Nitrosodiphenylamine	0.51	U	ug/L	0.51	10	1.0
4-Bromophenyl phenyl ether	0.74	U	ug/L	0.74	10	1.0
Hexachlorobenzene	0.65	U	ug/L	0.65	10	1.0
Phenanthrene	0.51	U	ug/L	0.51	10	1.0
Anthracene	0.50	U	ug/L	0.50	10	1.0
Di-n-butyl phthalate	0.50	U	ug/L	0.50	10	1.0
Fluoranthene	0.50	U	ug/L	0.50	10	1.0
Pyrene	0.50	U	ug/L	0.50	10	1.0
Butyl benzyl phthalate	0.50	U	ug/L	0.50	10	1.0
Benzo[a]anthracene	0.50	U	ug/L	0.50	10	1.0
Chrysene	0.50	U	ug/L	0.50	10	1.0
Bis(2-ethylhexyl) phthalate	1.9	U	ug/L	1.9	10	1.0
Di-n-octyl phthalate	5.0	U	ug/L	5.0	10	1.0
Benzo[b]fluoranthene	0.50	U	ug/L	0.50	10	1.0
Benzo[k]fluoranthene	0.50	U	ug/L	0.50	10	1.0
Benzo[a]pyrene	0.50	U	ug/L	0.50	10	1.0
Indeno[1,2,3-cd]pyrene	0.50	U	ug/L	0.50	10	1.0
Dibenz(a,h)anthracene	0.50	U	ug/L	0.50	10	1.0
Benzo[g,h,i]perylene	0.50	U	ug/L	0.50	10	1.0
3,3'-Dichlorobenzidine	5.0	U	ug/L	5.0	20	1.0
Pentachlorophenol	5.0	U	ug/L	5.0	50	1.0
N-Nitrosodimethylamine	1.3	U	ug/L	1.3	10	1.0
Benzoic acid	20	U	ug/L	20	50	1.0

Surrogate			Acceptance Limits
2-Fluorophenol	44	%	10 - 120
Phenol-d5	46	%	12 - 120
Nitrobenzene-d5	76	%	30 - 120
2-Fluorobiphenyl	72	%	26 - 120
2,4,6-Tribromophenol	58	%	25 - 120
Terphenyl-d14	53	%	10 - 120

<b>Method: 8081A</b>	Date Analyzed:	11/22/2006 2234				
<b>Prep Method: 3520C</b>	Date Prepared:	11/15/2006 0700				
alpha-BHC	0.0056	U	ug/L	0.0056	0.050	1.0
beta-BHC	0.0056	U	ug/L	0.0056	0.050	1.0
delta-BHC	0.0025	U	ug/L	0.0025	0.050	1.0
Heptachlor	0.0059	U	ug/L	0.0059	0.050	1.0
Aldrin	0.0025	U	ug/L	0.0025	0.050	1.0

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 Entact Environmental Services, LLC  
 3129 Bass Pro Drive  
 Grapevine, TX 76051

Job Number: 560-2525-1

**Client Sample ID:** MW-6D  
**Lab Sample ID:** 560-2525-2

Date Sampled: 11/08/2006 1015  
 Date Received: 11/10/2006 0920  
 Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: 8081A</b>	Date Analyzed:	11/22/2006 2234			
<b>Prep Method: 3520C</b>	Date Prepared:	11/15/2006 0700			
Heptachlor epoxide	0.0028	U ug/L	0.0028	0.050	1.0
4,4'-DDE	0.0026	U ug/L	0.0026	0.050	1.0
Endosulfan I	0.0089	U * ug/L	0.0089	0.050	1.0
Dieldrin	0.0083	U ug/L	0.0083	0.050	1.0
Endrin	0.0025	U ug/L	0.0025	0.050	1.0
4,4'-DDD	0.0029	U ug/L	0.0029	0.050	1.0
Endosulfan II	0.0035	U ug/L	0.0035	0.050	1.0
4,4'-DDT	0.0034	U ug/L	0.0034	0.050	1.0
Methoxychlor	0.023	U ug/L	0.023	0.050	1.0
Endosulfan sulfate	0.0039	U ug/L	0.0039	0.050	1.0
Endrin ketone	0.0073	U ug/L	0.0073	0.050	1.0
Chlordane (technical)	0.050	U ug/L	0.050	0.50	1.0
Toxaphene	0.50	U ug/L	0.50	5.0	1.0
gamma-BHC (Lindane)	0.0027	U ug/L	0.0027	0.050	1.0
<hr/>					
Surrogate				Acceptance Limits	
Tetrachloro-m-xylene	97	%		57 - 127	
DCB Decachlorobiphenyl	52	%		10 - 152	
<hr/>					
<b>Method: 8082</b>	Date Analyzed:	11/23/2006 0531			
<b>Prep Method: 3520C</b>	Date Prepared:	11/15/2006 1600			
Aroclor 1016	0.17	U ug/L	0.17	0.50	1.0
Aroclor 1221	0.17	U ug/L	0.17	0.50	1.0
Aroclor 1232	0.17	U ug/L	0.17	0.50	1.0
Aroclor 1242	0.17	U ug/L	0.17	0.50	1.0
Aroclor 1248	0.17	U ug/L	0.17	0.50	1.0
Aroclor 1254	0.17	U ug/L	0.17	0.50	1.0
Aroclor 1260	0.17	U ug/L	0.17	0.50	1.0
<hr/>					
Surrogate				Acceptance Limits	
Tetrachloro-m-xylene	82	%		25 - 140	
DCB Decachlorobiphenyl	53	%		42 - 133	
<hr/>					
<b>Method: DISS-6020</b>	Date Analyzed:	11/15/2006 2034			
<b>Prep Method: 3010A</b>	Date Prepared:	11/15/2006 1030			
Ag	1.0	U * ug/L	1.0	5.0	10
As	1.7	J * ug/L	1.0	5.0	10
Ba	960	B ug/L	1.0	50	10
Cd	1.0	U ug/L	1.0	5.0	10

Ms. Liz Scaggs  
Entact Environmental Services, LLC  
3129 Bass Pro Drive  
Grapevine, TX 76051

Job Number: 560-2525-1

Client Sample ID: MW-6D  
Lab Sample ID: 560-2525-2

Date Sampled: 11/08/2006 1015  
Date Received: 11/10/2006 0920  
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: DISS-6020</b>	Date Analyzed:	11/15/2006 2034			
<b>Prep Method: 3010A</b>	Date Prepared:	11/15/2006 1030			
Cr	1.1	U *	ug/L	1.1	20
Ni	1.0	U *	ug/L	1.0	5.0
Pb	1.0	U *	ug/L	1.0	5.0
Se	1.0	U *	ug/L	1.0	5.0
Zn	50	U	ug/L	50	100
<b>Method: DISS-7470A</b>	Date Analyzed:	11/13/2006 1514			
<b>Prep Method: 7470A</b>	Date Prepared:	11/13/2006 1000			
Hg	0.00013	U	mg/L	0.00013	0.0020

Ms. Liz Scaggs  
 Entact Environmental Services, LLC  
 3129 Bass Pro Drive  
 Grapevine, TX 76051

Job Number: 560-2525-1

**Client Sample ID:** MW-31  
**Lab Sample ID:** 560-2525-3

Date Sampled: 11/08/2006 1150  
 Date Received: 11/10/2006 0920  
 Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: 8260B</b>	Date Analyzed:	11/13/2006 1332			
<b>Prep Method: 5030B</b>	Date Prepared:	11/13/2006 1332			
Chloromethane	0.39	U	ug/L	0.39	5.0
Vinyl chloride	0.20	U	ug/L	0.20	5.0
Bromomethane	0.39	U	ug/L	0.39	5.0
Chloroethane	0.40	U	ug/L	0.40	5.0
1,1-Dichloroethene	0.20	U	ug/L	0.20	5.0
Carbon disulfide	0.20	U	ug/L	0.20	5.0
Methylene Chloride	0.53	U	ug/L	0.53	50
Acetone	0.46	U	ug/L	0.46	100
trans-1,2-Dichloroethene	0.20	U	ug/L	0.20	5.0
1,1-Dichloroethane	0.20	U	ug/L	0.20	5.0
Vinyl acetate	0.20	U	ug/L	0.20	5.0
Chloroform	0.20	U	ug/L	0.20	5.0
Carbon tetrachloride	0.25	U	ug/L	0.25	5.0
1,1,1-Trichloroethane	0.20	U	ug/L	0.20	5.0
Benzene	0.20	U	ug/L	0.20	5.0
Trichloroethene	0.32	U	ug/L	0.32	5.0
1,2-Dichloropropane	0.20	U	ug/L	0.20	5.0
Bromodichloromethane	0.20	U	ug/L	0.20	5.0
cis-1,3-Dichloropropene	0.20	U	ug/L	0.20	5.0
Toluene	0.20	U	ug/L	0.20	5.0
methyl isobutyl ketone	0.20	U	ug/L	0.20	5.0
trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	5.0
Tetrachloroethene	0.20	U	ug/L	0.20	5.0
1,1,2-Trichloroethane	0.20	U	ug/L	0.20	5.0
Chlorodibromomethane	0.22	U	ug/L	0.22	5.0
2-Hexanone	0.50	U	ug/L	0.50	5.0
Chlorobenzene	0.20	U	ug/L	0.20	5.0
Ethylbenzene	0.20	U	ug/L	0.20	5.0
Bromoform	0.50	U	ug/L	0.50	5.0
Styrene	0.50	U	ug/L	0.50	5.0
1,1,2,2-Tetrachloroethane	0.20	U	ug/L	0.20	5.0
Methyl Ethyl Ketone	0.47	U	ug/L	0.47	5.0
Xylenes, Total	0.90	U	ug/L	0.90	15
Surrogate				Acceptance Limits	
Dibromofluoromethane (Surr)	92	%		80 - 120	
1,2-Dichloroethane-d4 (Surr)	94	%		70 - 120	
Toluene-d8 (Surr)	95	%		80 - 120	
4-Bromofluorobenzene (Surr)	97	%		75 - 120	

Ms. Liz Scaggs  
 Entact Environmental Services, LLC  
 3129 Bass Pro Drive  
 Grapevine, TX 76051

Job Number: 560-2525-1

**Client Sample ID:** MW-31  
**Lab Sample ID:** 560-2525-3

Date Sampled: 11/08/2006 1150  
 Date Received: 11/10/2006 0920  
 Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: 8270C</b>	Date Analyzed:	11/15/2006 2155			
<b>Prep Method: 3520C</b>	Date Prepared:	11/13/2006 0817			
Phenol	0.50	ug/L	0.50	10	1.0
Bis(2-chloroethyl)ether	0.71	ug/L	0.71	10	1.0
2-Chlorophenol	0.50	ug/L	0.50	10	1.0
1,3-Dichlorobenzene	0.53	ug/L	0.53	10	1.0
1,4-Dichlorobenzene	0.74	ug/L	0.74	10	1.0
Benzyl alcohol	1.4	ug/L	1.4	20	1.0
1,2-Dichlorobenzene	0.50	ug/L	0.50	10	1.0
2-Methylphenol	0.50	ug/L	0.50	10	1.0
Bis(2-chloroisopropyl) ether	0.57	ug/L	0.57	10	1.0
3 & 4 Methylphenol	0.88	ug/L	0.88	10	1.0
N-Nitrosodi-n-propylamine	0.65	ug/L	0.65	10	1.0
Hexachloroethane	0.58	ug/L	0.58	10	1.0
Nitrobenzene	0.50	ug/L	0.50	10	1.0
2-Nitrophenol	0.50	ug/L	0.50	10	1.0
2,4-Dimethylphenol	0.56	ug/L	0.56	10	1.0
Bis(2-chloroethoxy)methane	0.59	ug/L	0.59	10	1.0
2,4-Dichlorophenol	0.50	ug/L	0.50	10	1.0
1,2,4-Trichlorobenzene	0.59	ug/L	0.59	10	1.0
Naphthalene	0.50	ug/L	0.50	10	1.0
4-Chloroaniline	0.50	ug/L	0.50	10	1.0
Hexachlorobutadiene	0.50	ug/L	0.50	10	1.0
4-Chloro-3-methylphenol	0.50	ug/L	0.50	10	1.0
2-Methylnaphthalene	0.50	ug/L	0.50	10	1.0
Hexachlorocyclopentadiene	20	ug/L	20	50	1.0
2,4,6-Trichlorophenol	0.50	ug/L	0.50	10	1.0
2,4,5-Trichlorophenol	0.50	ug/L	0.50	10	1.0
2-Chloronaphthalene	0.50	ug/L	0.50	10	1.0
2-Nitroaniline	5.0	ug/L	5.0	50	1.0
Dimethyl phthalate	0.55	ug/L	0.55	10	1.0
Acenaphthylene	0.50	ug/L	0.50	10	1.0
2,6-Dinitrotoluene	0.52	ug/L	0.52	10	1.0
3-Nitroaniline	1.8	ug/L	1.8	50	1.0
Acenaphthene	0.57	ug/L	0.57	10	1.0
2,4-Dinitrophenol	20	ug/L	20	50	1.0
4-Nitrophenol	10	ug/L	10	50	1.0
2,4-Dinitrotoluene	5.0	ug/L	5.0	10	1.0
Diethyl phthalate	0.52	ug/L	0.52	10	1.0
Fluorene	0.61	ug/L	0.61	10	1.0
4-Chlorophenyl phenyl ether	0.52	ug/L	0.52	10	1.0
4-Nitroaniline	1.5	ug/L	1.5	50	1.0

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 3129 Bass Pro Drive  
 Grapevine, TX 76051

Job Number: 560-2525-1

**Client Sample ID:** MW-31  
**Lab Sample ID:** 560-2525-3

Date Sampled: 11/08/2006 1150  
 Date Received: 11/10/2006 0920  
 Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: 8270C</b>	Date Analyzed:	11/15/2006 2155			
<b>Prep Method: 3520C</b>	Date Prepared:	11/13/2006 0817			
4,6-Dinitro-2-methylphenol	5.0	ug/L	5.0	50	1.0
N-Nitrosodiphenylamine	0.51	ug/L	0.51	10	1.0
4-Bromophenyl phenyl ether	0.74	ug/L	0.74	10	1.0
Hexachlorobenzene	0.65	ug/L	0.65	10	1.0
Phenanthrene	0.51	ug/L	0.51	10	1.0
Anthracene	0.50	ug/L	0.50	10	1.0
Di-n-butyl phthalate	0.50	ug/L	0.50	10	1.0
Fluoranthene	0.50	ug/L	0.50	10	1.0
Pyrene	0.50	ug/L	0.50	10	1.0
Butyl benzyl phthalate	0.50	ug/L	0.50	10	1.0
Benzo[a]anthracene	0.50	ug/L	0.50	10	1.0
Chrysene	0.50	ug/L	0.50	10	1.0
Bis(2-ethylhexyl) phthalate	1.9	ug/L	1.9	10	1.0
Di-n-octyl phthalate	5.0	ug/L	5.0	10	1.0
Benzo[b]fluoranthene	0.50	ug/L	0.50	10	1.0
Benzo[k]fluoranthene	0.50	ug/L	0.50	10	1.0
Benzo[a]pyrene	0.50	ug/L	0.50	10	1.0
Indeno[1,2,3-cd]pyrene	0.50	ug/L	0.50	10	1.0
Dibenz(a,h)anthracene	0.50	ug/L	0.50	10	1.0
Benzo[g,h,i]perylene	0.50	ug/L	0.50	10	1.0
3,3'-Dichlorobenzidine	5.0	ug/L	5.0	20	1.0
Pentachlorophenol	5.0	ug/L	5.0	50	1.0
N-Nitrosodimethylamine	1.3	ug/L	1.3	10	1.0
Benzoic acid	20	ug/L	20	50	1.0

Surrogate			Acceptance Limits
2-Fluorophenol	43	%	10 - 120
Phenol-d5	47	%	12 - 120
Nitrobenzene-d5	79	%	30 - 120
2-Fluorobiphenyl	77	%	26 - 120
2,4,6-Tribromophenol	58	%	25 - 120
Terphenyl-d14	46	%	10 - 120

<b>Method: 8081A</b>	Date Analyzed:	11/22/2006 2257
<b>Prep Method: 3520C</b>	Date Prepared:	11/15/2006 0700
alpha-BHC	0.0056	ug/L
beta-BHC	0.0056	ug/L
delta-BHC	0.0025	ug/L
Heptachlor	0.0059	ug/L
Aldrin	0.0025	ug/L

Ms. Liz Scaggs  
 Entact Environmental Services, LLC  
 3129 Bass Pro Drive  
 Grapevine, TX 76051

Job Number: 560-2525-1

**Client Sample ID:** MW-31  
**Lab Sample ID:** 560-2525-3

Date Sampled: 11/08/2006 1150  
 Date Received: 11/10/2006 0920  
 Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: 8081A</b>	Date Analyzed:	11/22/2006 2257			
<b>Prep Method: 3520C</b>	Date Prepared:	11/15/2006 0700			
Heptachlor epoxide	0.0028	ug/L	0.0028	0.050	1.0
4,4'-DDE	0.0026	ug/L	0.0026	0.050	1.0
Endosulfan I	0.0089	U *	0.0089	0.050	1.0
Dieldrin	0.0083	ug/L	0.0083	0.050	1.0
Endrin	0.0025	ug/L	0.0025	0.050	1.0
4,4'-DDD	0.0029	ug/L	0.0029	0.050	1.0
Endosulfan II	0.0035	ug/L	0.0035	0.050	1.0
4,4'-DDT	0.0034	ug/L	0.0034	0.050	1.0
Methoxychlor	0.023	ug/L	0.023	0.050	1.0
Endosulfan sulfate	0.0039	ug/L	0.0039	0.050	1.0
Endrin ketone	0.0073	ug/L	0.0073	0.050	1.0
Chlordane (technical)	0.050	ug/L	0.050	0.50	1.0
Toxaphene	0.50	ug/L	0.50	5.0	1.0
gamma-BHC (Lindane)	0.0027	ug/L	0.0027	0.050	1.0
Surrogate				Acceptance Limits	
Tetrachloro-m-xylene	86	%		57 - 127	
DCB Decachlorobiphenyl	34	%		10 - 152	
<b>Method: 8082</b>	Date Analyzed:	11/23/2006 0549			
<b>Prep Method: 3520C</b>	Date Prepared:	11/15/2006 1600			
Aroclor 1016	0.17	ug/L	0.17	0.50	1.0
Aroclor 1221	0.17	ug/L	0.17	0.50	1.0
Aroclor 1232	0.17	ug/L	0.17	0.50	1.0
Aroclor 1242	0.17	ug/L	0.17	0.50	1.0
Aroclor 1248	0.17	ug/L	0.17	0.50	1.0
Aroclor 1254	0.17	ug/L	0.17	0.50	1.0
Aroclor 1260	0.17	ug/L	0.17	0.50	1.0
Surrogate				Acceptance Limits	
Tetrachloro-m-xylene	84	%		25 - 140	
DCB Decachlorobiphenyl	30	X	%	42 - 133	
<b>Method: DISS-6020</b>	Date Analyzed:	11/15/2006 2041			
<b>Prep Method: 3010A</b>	Date Prepared:	11/15/2006 1030			
Ag	1.0	U *	1.0	5.0	10
As	12	*	1.0	5.0	10
Ba	390	B	1.0	50	10
Cd	1.0	U	1.0	5.0	10

Ms. Liz Scaggs  
Entact Environmental Services, LLC  
3129 Bass Pro Drive  
Grapevine, TX 76051

Job Number: 560-2525-1

**Client Sample ID:** MW-31  
**Lab Sample ID:** 560-2525-3

Date Sampled: 11/08/2006 1150  
Date Received: 11/10/2006 0920  
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method:</b> DISS-6020	Date Analyzed:	11/15/2006 2041			
<b>Prep Method:</b> 3010A	Date Prepared:	11/15/2006 1030			
Cr	1.1	ug/L	1.1	20	10
Ni	1.0	ug/L	1.0	5.0	10
Pb	1.0	ug/L	1.0	5.0	10
Se	1.0	ug/L	1.0	5.0	10
Zn	50	ug/L	50	100	10
<b>Method:</b> DISS-7470A	Date Analyzed:	11/13/2006 1516			
<b>Prep Method:</b> 7470A	Date Prepared:	11/13/2006 1000			
Hg	0.00013	U	0.00013	0.0020	1.0

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 Entact Environmental Services, LLC  
 3129 Bass Pro Drive  
 Grapevine, TX 76051

Job Number: 560-2525-1

Client Sample ID: MW-39  
 Lab Sample ID: 560-2525-4

Date Sampled: 11/08/2006 1308  
 Date Received: 11/10/2006 0920  
 Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: 8260B</b>	Date Analyzed:	11/13/2006 1357			
<b>Prep Method: 5030B</b>	Date Prepared:	11/13/2006 1357			
Chloromethane	0.39	ug/L	0.39	5.0	1.0
Vinyl chloride	0.20	ug/L	0.20	5.0	1.0
Bromomethane	0.39	ug/L	0.39	5.0	1.0
Chloroethane	0.40	ug/L	0.40	5.0	1.0
1,1-Dichloroethene	0.20	ug/L	0.20	5.0	1.0
Carbon disulfide	0.20	ug/L	0.20	5.0	1.0
Methylene Chloride	0.53	ug/L	0.53	50	1.0
Acetone	0.46	ug/L	0.46	100	1.0
trans-1,2-Dichloroethene	0.20	ug/L	0.20	5.0	1.0
1,1-Dichloroethane	0.20	ug/L	0.20	5.0	1.0
Vinyl acetate	0.20	ug/L	0.20	5.0	1.0
Chloroform	0.20	ug/L	0.20	5.0	1.0
Carbon tetrachloride	0.25	ug/L	0.25	5.0	1.0
1,1,1-Trichloroethane	0.20	ug/L	0.20	5.0	1.0
Benzene	0.20	ug/L	0.20	5.0	1.0
Trichloroethene	0.32	ug/L	0.32	5.0	1.0
1,2-Dichloropropane	0.20	ug/L	0.20	5.0	1.0
Bromodichloromethane	0.20	ug/L	0.20	5.0	1.0
cis-1,3-Dichloropropene	0.20	ug/L	0.20	5.0	1.0
Toluene	0.20	ug/L	0.20	5.0	1.0
methyl isobutyl ketone	0.20	ug/L	0.20	5.0	1.0
trans-1,3-Dichloropropene	0.50	ug/L	0.50	5.0	1.0
Tetrachloroethene	0.20	ug/L	0.20	5.0	1.0
1,1,2-Trichloroethane	0.20	ug/L	0.20	5.0	1.0
Chlorodibromomethane	0.22	ug/L	0.22	5.0	1.0
2-Hexanone	0.50	ug/L	0.50	5.0	1.0
Chlorobenzene	0.20	ug/L	0.20	5.0	1.0
Ethylbenzene	0.20	ug/L	0.20	5.0	1.0
Bromoform	0.50	ug/L	0.50	5.0	1.0
Styrene	0.50	ug/L	0.50	5.0	1.0
1,1,2,2-Tetrachloroethane	0.20	ug/L	0.20	5.0	1.0
Methyl Ethyl Ketone	0.47	ug/L	0.47	5.0	1.0
Xylenes, Total	0.90	U	0.90	15	1.0
Surrogate				Acceptance Limits	
Dibromofluoromethane (Surr)	94	%		80 - 120	
1,2-Dichloroethane-d4 (Surr)	96	%		70 - 120	
Toluene-d8 (Surr)	94	%		80 - 120	
4-Bromofluorobenzene (Surr)	99	%		75 - 120	

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Grapevine, TX 76051

Job Number: 560-2525-1

Client Sample ID: MW-39  
Lab Sample ID: 560-2525-4

Date Sampled: 11/08/2006 1308  
Date Received: 11/10/2006 0920  
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: 8270C</b>	Date Analyzed:	11/15/2006 2223			
<b>Prep Method: 3520C</b>	Date Prepared:	11/13/2006 0817			
Phenol	0.50	U	ug/L	0.50	10
Bis(2-chloroethyl)ether	0.71	U	ug/L	0.71	10
2-Chlorophenol	0.50	U	ug/L	0.50	10
1,3-Dichlorobenzene	0.53	U	ug/L	0.53	10
1,4-Dichlorobenzene	0.74	U	ug/L	0.74	10
Benzyl alcohol	1.4	U	ug/L	1.4	20
1,2-Dichlorobenzene	0.50	U	ug/L	0.50	10
2-Methylphenol	0.50	U	ug/L	0.50	10
Bis(2-chloroisopropyl) ether	0.57	U	ug/L	0.57	10
3 & 4 Methylphenol	0.88	U	ug/L	0.88	10
N-Nitrosodi-n-propylamine	0.65	U	ug/L	0.65	10
Hexachloroethane	0.58	U	ug/L	0.58	10
Nitrobenzene	0.50	U	ug/L	0.50	10
2-Nitrophenol	0.50	U	ug/L	0.50	10
2,4-Dimethylphenol	0.56	U	ug/L	0.56	10
Bis(2-chloroethoxy)methane	0.59	U	ug/L	0.59	10
2,4-Dichlorophenol	0.50	U	ug/L	0.50	10
1,2,4-Trichlorobenzene	0.59	U	ug/L	0.59	10
Naphthalene	0.50	U	ug/L	0.50	10
4-Chloroaniline	0.50	U	ug/L	0.50	10
Hexachlorobutadiene	0.50	U	ug/L	0.50	10
4-Chloro-3-methylphenol	0.50	U	ug/L	0.50	10
2-Methylnaphthalene	0.50	U	ug/L	0.50	10
Hexachlorocyclopentadiene	20	U	ug/L	20	50
2,4,6-Trichlorophenol	0.50	U	ug/L	0.50	10
2,4,5-Trichlorophenol	0.50	U	ug/L	0.50	10
2-Chloronaphthalene	0.50	U	ug/L	0.50	10
2-Nitroaniline	5.0	U	ug/L	5.0	50
Dimethyl phthalate	0.55	U	ug/L	0.55	10
Acenaphthylene	0.50	U	ug/L	0.50	10
2,6-Dinitrotoluene	0.52	U	ug/L	0.52	10
3-Nitroaniline	1.8	U	ug/L	1.8	50
Acenaphthene	0.57	U	ug/L	0.57	10
2,4-Dinitrophenol	20	U	ug/L	20	50
4-Nitrophenol	10	U	ug/L	10	50
2,4-Dinitrotoluene	5.0	U	ug/L	5.0	10
Diethyl phthalate	0.52	U	ug/L	0.52	10
Fluorene	0.61	U	ug/L	0.61	10
4-Chlorophenyl phenyl ether	0.52	U	ug/L	0.52	10
4-Nitroaniline	1.5	U	ug/L	1.5	50

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 Grapevine, TX 76051

Job Number: 560-2525-1

**Client Sample ID:** MW-39  
**Lab Sample ID:** 560-2525-4

Date Sampled: 11/08/2006 1308  
 Date Received: 11/10/2006 0920  
 Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: 8270C</b>	Date Analyzed:	11/15/2006 2223			
<b>Prep Method: 3520C</b>	Date Prepared:	11/13/2006 0817			
4,6-Dinitro-2-methylphenol	5.0	ug/L	5.0	50	1.0
N-Nitrosodiphenylamine	0.51	ug/L	0.51	10	1.0
4-Bromophenyl phenyl ether	0.74	ug/L	0.74	10	1.0
Hexachlorobenzene	0.65	ug/L	0.65	10	1.0
Phenanthrene	0.51	ug/L	0.51	10	1.0
Anthracene	0.50	ug/L	0.50	10	1.0
Di-n-butyl phthalate	0.50	ug/L	0.50	10	1.0
Fluoranthene	0.50	ug/L	0.50	10	1.0
Pyrene	0.50	ug/L	0.50	10	1.0
Butyl benzyl phthalate	0.50	ug/L	0.50	10	1.0
Benzo[a]anthracene	0.50	ug/L	0.50	10	1.0
Chrysene	0.50	ug/L	0.50	10	1.0
Bis(2-ethylhexyl) phthalate	1.9	ug/L	1.9	10	1.0
Di-n-octyl phthalate	5.0	ug/L	5.0	10	1.0
Benzo[b]fluoranthene	0.50	ug/L	0.50	10	1.0
Benzo[k]fluoranthene	0.50	ug/L	0.50	10	1.0
Benzo[a]pyrene	0.50	ug/L	0.50	10	1.0
Indeno[1,2,3-cd]pyrene	0.50	ug/L	0.50	10	1.0
Dibenz(a,h)anthracene	0.50	ug/L	0.50	10	1.0
Benzo[g,h,i]perylene	0.50	ug/L	0.50	10	1.0
3,3'-Dichlorobenzidine	5.0	ug/L	5.0	20	1.0
Pentachlorophenol	5.0	ug/L	5.0	50	1.0
N-Nitrosodimethylamine	1.3	ug/L	1.3	10	1.0
Benzoic acid	20	ug/L	20	50	1.0

Surrogate		Acceptance Limits
2-Fluorophenol	44	%
Phenol-d5	47	%
Nitrobenzene-d5	76	%
2-Fluorobiphenyl	73	%
2,4,6-Tribromophenol	63	%
Terphenyl-d14	55	%

<b>Method: 8081A</b>	Date Analyzed:	11/22/2006 2321
<b>Prep Method: 3520C</b>	Date Prepared:	11/15/2006 0700
alpha-BHC	0.0056	ug/L
beta-BHC	0.0056	ug/L
delta-BHC	0.0025	ug/L
Heptachlor	0.0059	ug/L
Aldrin	0.0025	ug/L

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Job Number: 560-2525-1

**Client Sample ID:** MW-39  
**Lab Sample ID:** 560-2525-4

Date Sampled: 11/08/2006 1308  
 Date Received: 11/10/2006 0920  
 Client Matrix: Water

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
<b>Method: 8081A</b>	Date Analyzed:	11/22/2006 2321				
<b>Prep Method: 3520C</b>	Date Prepared:	11/15/2006 0700				
Heptachlor epoxide	0.0028	U	ug/L	0.0028	0.050	1.0
4,4'-DDE	0.0026	U	ug/L	0.0026	0.050	1.0
Endosulfan I	0.0089	U *	ug/L	0.0089	0.050	1.0
Dieldrin	0.0083	U	ug/L	0.0083	0.050	1.0
Endrin	0.0025	U	ug/L	0.0025	0.050	1.0
4,4'-DDD	0.0029	U	ug/L	0.0029	0.050	1.0
Endosulfan II	0.0035	U	ug/L	0.0035	0.050	1.0
4,4'-DDT	0.0034	U	ug/L	0.0034	0.050	1.0
Methoxychlor	0.023	U	ug/L	0.023	0.050	1.0
Endosulfan sulfate	0.0039	U	ug/L	0.0039	0.050	1.0
Endrin ketone	0.0073	U	ug/L	0.0073	0.050	1.0
Chlordane (technical)	0.050	U	ug/L	0.050	0.50	1.0
Toxaphene	0.50	U	ug/L	0.50	5.0	1.0
gamma-BHC (Lindane)	0.0027	U	ug/L	0.0027	0.050	1.0

Surrogate	Acceptance Limits		
Tetrachloro-m-xylene	85	%	57 - 127
DCB Decachlorobiphenyl	51	%	10 - 152

<b>Method: 8082</b>	Date Analyzed:	11/23/2006 0641				
<b>Prep Method: 3520C</b>	Date Prepared:	11/15/2006 1600				
Aroclor 1016	0.17	U	ug/L	0.17	0.50	1.0
Aroclor 1221	0.17	U	ug/L	0.17	0.50	1.0
Aroclor 1232	0.17	U	ug/L	0.17	0.50	1.0
Aroclor 1242	0.17	U	ug/L	0.17	0.50	1.0
Aroclor 1248	0.17	U	ug/L	0.17	0.50	1.0
Aroclor 1254	0.17	U	ug/L	0.17	0.50	1.0
Aroclor 1260	0.17	U	ug/L	0.17	0.50	1.0

Surrogate	Acceptance Limits		
Tetrachloro-m-xylene	87	%	25 - 140
DCB Decachlorobiphenyl	51	%	42 - 133

<b>Method: DISS-6020</b>	Date Analyzed:	11/15/2006 2047				
<b>Prep Method: 3010A</b>	Date Prepared:	11/15/2006 1030				
Ag	1.0	U *	ug/L	1.0	5.0	10
As	3.3	J *	ug/L	1.0	5.0	10
Ba	180	B	ug/L	1.0	50	10
Cd	1.0	U	ug/L	1.0	5.0	10

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Job Number: 560-2525-1

**Client Sample ID:** MW-39  
**Lab Sample ID:** 560-2525-4

Date Sampled: 11/08/2006 1308  
Date Received: 11/10/2006 0920  
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method:</b> DISS-6020	Date Analyzed:	11/15/2006 2047			
<b>Prep Method:</b> 3010A	Date Prepared:	11/15/2006 1030			
Cr	1.1	ug/L	1.1	20	10
Ni	1.0	ug/L	1.0	5.0	10
Pb	1.0	ug/L	1.0	5.0	10
Se	1.0	ug/L	1.0	5.0	10
Zn	50	ug/L	50	100	10
<b>Method:</b> DISS-7470A	Date Analyzed:	11/13/2006 1519			
<b>Prep Method:</b> 7470A	Date Prepared:	11/13/2006 1000			
Hg	0.00013	mg/L	0.00013	0.0020	1.0

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 Entact Environmental Services, LLC  
 3129 Bass Pro Drive  
 Grapevine, TX 76051

Job Number: 560-2525-1

**Client Sample ID:** MW-35  
**Lab Sample ID:** 560-2525-5

Date Sampled: 11/08/2006 1414  
 Date Received: 11/10/2006 0920  
 Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: 8260B</b>	Date Analyzed:	11/13/2006 1422			
<b>Prep Method: 5030B</b>	Date Prepared:	11/13/2006 1422			
Chloromethane	0.39	U	ug/L	0.39	5.0
Vinyl chloride	0.20	U	ug/L	0.20	5.0
Bromomethane	0.39	U	ug/L	0.39	5.0
Chloroethane	0.40	U	ug/L	0.40	5.0
1,1-Dichloroethene	0.20	U	ug/L	0.20	5.0
Carbon disulfide	0.20	U	ug/L	0.20	5.0
Methylene Chloride	0.53	U	ug/L	0.53	50
Acetone	0.46	U	ug/L	0.46	100
trans-1,2-Dichloroethene	0.20	U	ug/L	0.20	5.0
1,1-Dichloroethane	0.20	U	ug/L	0.20	5.0
Vinyl acetate	0.20	U	ug/L	0.20	5.0
Chloroform	0.20	U	ug/L	0.20	5.0
Carbon tetrachloride	0.25	U	ug/L	0.25	5.0
1,1,1-Trichloroethane	0.20	U	ug/L	0.20	5.0
Benzene	0.20	U	ug/L	0.20	5.0
Trichloroethene	0.32	U	ug/L	0.32	5.0
1,2-Dichloroproppane	0.20	U	ug/L	0.20	5.0
Bromodichloromethane	0.20	U	ug/L	0.20	5.0
cis-1,3-Dichloropropene	0.20	U	ug/L	0.20	5.0
Toluene	0.20	U	ug/L	0.20	5.0
methyl isobutyl ketone	0.20	U	ug/L	0.20	5.0
trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	5.0
Tetrachloroethene	0.20	U	ug/L	0.20	5.0
1,1,2-Trichloroethane	0.20	U	ug/L	0.20	5.0
Chlorodibromomethane	0.22	U	ug/L	0.22	5.0
2-Hexanone	0.50	U	ug/L	0.50	5.0
Chlorobenzene	0.20	U	ug/L	0.20	5.0
Ethylbenzene	0.20	U	ug/L	0.20	5.0
Bromoform	0.50	U	ug/L	0.50	5.0
Styrene	0.50	U	ug/L	0.50	5.0
1,1,2,2-Tetrachloroethane	0.20	U	ug/L	0.20	5.0
Methyl Ethyl Ketone	0.47	U	ug/L	0.47	5.0
Xylenes, Total	0.90	U	ug/L	0.90	15
Surrogate				Acceptance Limits	
Dibromofluoromethane (Surr)	96	%		80 - 120	
1,2-Dichloroethane-d4 (Surr)	92	%		70 - 120	
Toluene-d8 (Surr)	94	%		80 - 120	
4-Bromofluorobenzene (Surr)	95	%		75 - 120	

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Entact Environmental Services, LLC  
3129 Bass Pro Drive  
Grapevine, TX 76051

Job Number: 560-2525-1

Client Sample ID: MW-35  
Lab Sample ID: 560-2525-5

Date Sampled: 11/08/2006 1414  
Date Received: 11/10/2006 0920  
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: 8270C</b>	Date Analyzed:	11/15/2006 2252			
<b>Prep Method: 3520C</b>	Date Prepared:	11/13/2006 0817			
Phenol	0.50	U	ug/L	0.50	10
Bis(2-chloroethyl)ether	0.71	U	ug/L	0.71	10
2-Chlorophenol	0.50	U	ug/L	0.50	10
1,3-Dichlorobenzene	0.53	U	ug/L	0.53	10
1,4-Dichlorobenzene	0.74	U	ug/L	0.74	10
Benzyl alcohol	1.4	U	ug/L	1.4	20
1,2-Dichlorobenzene	0.50	U	ug/L	0.50	10
2-Methylphenol	0.50	U	ug/L	0.50	10
Bis(2-chloroisopropyl) ether	0.57	U	ug/L	0.57	10
3 & 4 Methylphenol	0.88	U	ug/L	0.88	10
N-Nitrosodi-n-propylamine	0.65	U	ug/L	0.65	10
Hexachloroethane	0.58	U	ug/L	0.58	10
Nitrobenzene	0.50	U	ug/L	0.50	10
2-Nitrophenol	0.50	U	ug/L	0.50	10
2,4-Dimethylphenol	0.56	U	ug/L	0.56	10
Bis(2-chloroethoxy)methane	0.59	U	ug/L	0.59	10
2,4-Dichlorophenol	0.50	U	ug/L	0.50	10
1,2,4-Trichlorobenzene	0.59	U	ug/L	0.59	10
Naphthalene	0.50	U	ug/L	0.50	10
4-Chloroaniline	0.50	U	ug/L	0.50	10
Hexachlorobutadiene	0.50	U	ug/L	0.50	10
4-Chloro-3-methylphenol	0.50	U	ug/L	0.50	10
2-Methylnaphthalene	0.50	U	ug/L	0.50	10
Hexachlorocyclopentadiene	20	U	ug/L	20	50
2,4,6-Trichlorophenol	0.50	U	ug/L	0.50	10
2,4,5-Trichlorophenol	0.50	U	ug/L	0.50	10
2-Chloronaphthalene	0.50	U	ug/L	0.50	10
2-Nitroaniline	5.0	U	ug/L	5.0	50
Dimethyl phthalate	0.55	U	ug/L	0.55	10
Acenaphthylene	0.50	U	ug/L	0.50	10
2,6-Dinitrotoluene	0.52	U	ug/L	0.52	10
3-Nitroaniline	1.8	U	ug/L	1.8	50
Acenaphthene	0.57	U	ug/L	0.57	10
2,4-Dinitrophenol	20	U	ug/L	20	50
4-Nitrophenol	10	U	ug/L	10	50
2,4-Dinitrotoluene	5.0	U	ug/L	5.0	10
Diethyl phthalate	0.52	U	ug/L	0.52	10
Fluorene	0.61	U	ug/L	0.61	10
4-Chlorophenyl phenyl ether	0.52	U	ug/L	0.52	10
4-Nitroaniline	1.5	U	ug/L	1.5	50

Ms. Liz Scaggs  
 Entact Environmental Services, LLC  
 3129 Bass Pro Drive  
 Grapevine, TX 76051

Job Number: 560-2525-1

**Client Sample ID:** MW-35  
**Lab Sample ID:** 560-2525-5

Date Sampled: 11/08/2006 1414  
 Date Received: 11/10/2006 0920  
 Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: 8270C</b>	Date Analyzed:	11/15/2006 2252			
<b>Prep Method: 3520C</b>	Date Prepared:	11/13/2006 0817			
4,6-Dinitro-2-methylphenol	5.0	U ug/L	5.0	50	1.0
N-Nitrosodiphenylamine	0.51	U ug/L	0.51	10	1.0
4-Bromophenyl phenyl ether	0.74	U ug/L	0.74	10	1.0
Hexachlorobenzene	0.65	U ug/L	0.65	10	1.0
Phenanthrene	0.51	U ug/L	0.51	10	1.0
Anthracene	0.50	U ug/L	0.50	10	1.0
Di-n-butyl phthalate	0.50	U ug/L	0.50	10	1.0
Fluoranthene	0.50	U ug/L	0.50	10	1.0
Pyrene	0.50	U ug/L	0.50	10	1.0
Butyl benzyl phthalate	0.50	U ug/L	0.50	10	1.0
Benzo[a]anthracene	0.50	U ug/L	0.50	10	1.0
Chrysene	0.50	U ug/L	0.50	10	1.0
Bis(2-ethylhexyl) phthalate	1.9	U ug/L	1.9	10	1.0
Di-n-octyl phthalate	5.0	U ug/L	5.0	10	1.0
Benzo[b]fluoranthene	0.50	U ug/L	0.50	10	1.0
Benzo[k]fluoranthene	0.50	U ug/L	0.50	10	1.0
Benzo[a]pyrene	0.50	U ug/L	0.50	10	1.0
Indeno[1,2,3-cd]pyrene	0.50	U ug/L	0.50	10	1.0
Dibenz(a,h)anthracene	0.50	U ug/L	0.50	10	1.0
Benzo[g,h,i]perylene	0.50	U ug/L	0.50	10	1.0
3,3'-Dichlorobenzidine	5.0	U ug/L	5.0	20	1.0
Pentachlorophenol	5.0	U ug/L	5.0	50	1.0
N-Nitrosodimethylamine	1.3	U ug/L	1.3	10	1.0
Benzoic acid	20	U ug/L	20	50	1.0

Surrogate			Acceptance Limits
2-Fluorophenol	49	%	10 - 120
Phenol-d5	52	%	12 - 120
Nitrobenzene-d5	76	%	30 - 120
2-Fluorobiphenyl	74	%	26 - 120
2,4,6-Tribromophenol	74	%	25 - 120
Terphenyl-d14	83	%	10 - 120

<b>Method: 8081A</b>	Date Analyzed:	11/23/2006 0032
<b>Prep Method: 3520C</b>	Date Prepared:	11/15/2006 0700
alpha-BHC	0.0056	U ug/L
beta-BHC	0.0056	U ug/L
delta-BHC	0.0025	U ug/L
Heptachlor	0.0059	U ug/L
Aldrin	0.0025	U ug/L

Ms. Liz Scaggs  
 Entact Environmental Services, LLC  
 3129 Bass Pro Drive  
 Grapevine, TX 76051

Job Number: 560-2525-1

**Client Sample ID:** MW-35  
**Lab Sample ID:** 560-2525-5

Date Sampled: 11/08/2006 1414  
 Date Received: 11/10/2006 0920  
 Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: 8081A</b>	Date Analyzed:	11/23/2006 0032			
<b>Prep Method: 3520C</b>	Date Prepared:	11/15/2006 0700			
Heptachlor epoxide	0.0028	U ug/L	0.0028	0.050	1.0
4,4'-DDE	0.0026	U ug/L	0.0026	0.050	1.0
Endosulfan I	0.0089	U * ug/L	0.0089	0.050	1.0
Dieldrin	0.0083	U ug/L	0.0083	0.050	1.0
Endrin	0.0025	U ug/L	0.0025	0.050	1.0
4,4'-DDD	0.0029	U ug/L	0.0029	0.050	1.0
Endosulfan II	0.0035	U ug/L	0.0035	0.050	1.0
4,4'-DDT	0.0034	U ug/L	0.0034	0.050	1.0
Methoxychlor	0.023	U ug/L	0.023	0.050	1.0
Endosulfan sulfate	0.0039	U ug/L	0.0039	0.050	1.0
Endrin ketone	0.0073	U ug/L	0.0073	0.050	1.0
Chlordane (technical)	0.050	U ug/L	0.050	0.50	1.0
Toxaphene	0.50	U ug/L	0.50	5.0	1.0
gamma-BHC (Lindane)	0.0027	U ug/L	0.0027	0.050	1.0
<hr/>					
Surrogate				Acceptance Limits	
Tetrachloro-m-xylene	112	%		57 - 127	
DCB Decachlorobiphenyl	84	%		10 - 152	
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<b>Method: 8082</b>	Date Analyzed:	11/23/2006 0659			
<b>Prep Method: 3520C</b>	Date Prepared:	11/15/2006 1600			
Aroclor 1016	0.17	U ug/L	0.17	0.50	1.0
Aroclor 1221	0.17	U ug/L	0.17	0.50	1.0
Aroclor 1232	0.17	U ug/L	0.17	0.50	1.0
Aroclor 1242	0.17	U ug/L	0.17	0.50	1.0
Aroclor 1248	0.17	U ug/L	0.17	0.50	1.0
Aroclor 1254	0.17	U ug/L	0.17	0.50	1.0
Aroclor 1260	0.17	U ug/L	0.17	0.50	1.0
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Surrogate				Acceptance Limits	
Tetrachloro-m-xylene	91	%		25 - 140	
DCB Decachlorobiphenyl	75	%		42 - 133	
<hr/>					
<b>Method: DISS-6020</b>	Date Analyzed:	11/15/2006 2053			
<b>Prep Method: 3010A</b>	Date Prepared:	11/15/2006 1030			
Ag	1.0	U * ug/L	1.0	5.0	10
As	1.0	U * ug/L	1.0	5.0	10
Ba	140	B ug/L	1.0	50	10
Cd	1.0	U ug/L	1.0	5.0	10

Ms. Liz Scaggs  
Entact Environmental Services, LLC  
3129 Bass Pro Drive  
Grapevine, TX 76051

Job Number: 560-2525-1

Client Sample ID: MW-35  
Lab Sample ID: 560-2525-5

Date Sampled: 11/08/2006 1414  
Date Received: 11/10/2006 0920  
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: DISS-6020</b>	Date Analyzed:	11/15/2006 2053			
<b>Prep Method: 3010A</b>	Date Prepared:	11/15/2006 1030			
Cr	1.1	U *	ug/L	1.1	20
Ni	1.0	U *	ug/L	1.0	5.0
Pb	1.0	U *	ug/L	1.0	5.0
Se	1.0	U *	ug/L	1.0	5.0
Zn	50	U	ug/L	50	100
<b>Method: DISS-7470A</b>	Date Analyzed:	11/13/2006 1521			
<b>Prep Method: 7470A</b>	Date Prepared:	11/13/2006 1000			
Hg	0.00013	U	mg/L	0.00013	0.0020

Ms. Liz Scaggs  
 Entact Environmental Services, LLC  
 3129 Bass Pro Drive  
 Grapevine, TX 76051

Job Number: 560-2525-1

**Client Sample ID:** MW-37  
**Lab Sample ID:** 560-2525-6

Date Sampled: 11/08/2006 1530  
 Date Received: 11/10/2006 0920  
 Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: 8260B</b>	Date Analyzed:	11/13/2006 1446			
<b>Prep Method: 5030B</b>	Date Prepared:	11/13/2006 1446			
Chloromethane	0.39	U	ug/L	0.39	5.0
Vinyl chloride	6.8		ug/L	0.20	5.0
Bromomethane	0.39	U	ug/L	0.39	5.0
Chloroethane	0.40	U	ug/L	0.40	5.0
1,1-Dichloroethene	0.20	U	ug/L	0.20	5.0
Carbon disulfide	0.20	U	ug/L	0.20	5.0
Methylene Chloride	0.53	U	ug/L	0.53	50
Acetone	0.46	U	ug/L	0.46	100
trans-1,2-Dichloroethene	2.9	J	ug/L	0.20	5.0
1,1-Dichloroethane	0.20	U	ug/L	0.20	5.0
Vinyl acetate	0.20	U	ug/L	0.20	5.0
Chloroform	0.20	U	ug/L	0.20	5.0
Carbon tetrachloride	0.25	U	ug/L	0.25	5.0
1,1,1-Trichloroethane	0.20	U	ug/L	0.20	5.0
Benzene	0.76	J	ug/L	0.20	5.0
Trichloroethene	1.3	J	ug/L	0.32	5.0
1,2-Dichloropropane	0.20	U	ug/L	0.20	5.0
Bromodichloromethane	0.20	U	ug/L	0.20	5.0
cis-1,3-Dichloropropene	0.20	U	ug/L	0.20	5.0
Toluene	0.22	J	ug/L	0.20	5.0
methyl isobutyl ketone	0.20	U	ug/L	0.20	5.0
trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	5.0
Tetrachloroethene	0.74	J	ug/L	0.20	5.0
1,1,2-Trichloroethane	0.20	U	ug/L	0.20	5.0
Chlorodibromomethane	0.22	U	ug/L	0.22	5.0
2-Hexanone	0.50	U	ug/L	0.50	5.0
Chlorobenzene	1.4	J	ug/L	0.20	5.0
Ethylbenzene	0.20	U	ug/L	0.20	5.0
Bromoform	0.50	U	ug/L	0.50	5.0
Styrene	0.50	U	ug/L	0.50	5.0
1,1,2,2-Tetrachloroethane	0.20	U	ug/L	0.20	5.0
Methyl Ethyl Ketone	0.47	U	ug/L	0.47	5.0
Xylenes, Total	0.90	U	ug/L	0.90	15
Surrogate				Acceptance Limits	
Dibromofluoromethane (Surr)	96	%		80 - 120	
1,2-Dichloroethane-d4 (Surr)	96	%		70 - 120	
Toluene-d8 (Surr)	94	%		80 - 120	
4-Bromofluorobenzene (Surr)	97	%		75 - 120	

Ms. Liz Scaggs  
Entact Environmental Services, LLC  
3129 Bass Pro Drive  
Grapevine, TX 76051

Job Number: 560-2525-1

Client Sample ID: MW-37  
Lab Sample ID: 560-2525-6

Date Sampled: 11/08/2006 1530  
Date Received: 11/10/2006 0920  
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: 8270C</b>	Date Analyzed:	11/15/2006 2320			
<b>Prep Method: 3520C</b>	Date Prepared:	11/13/2006 0817			
Phenol	0.50	U	ug/L	0.50	10
Bis(2-chloroethyl)ether	0.71	U	ug/L	0.71	1.0
2-Chlorophenol	0.50	U	ug/L	0.50	1.0
1,3-Dichlorobenzene	0.53	U	ug/L	0.53	1.0
1,4-Dichlorobenzene	0.74	U	ug/L	0.74	1.0
Benzyl alcohol	1.4	U	ug/L	1.4	20
1,2-Dichlorobenzene	0.50	U	ug/L	0.50	1.0
2-Methylphenol	0.50	U	ug/L	0.50	1.0
Bis(2-chloroisopropyl) ether	0.57	U	ug/L	0.57	10
3 & 4 Methylphenol	0.88	U	ug/L	0.88	10
N-Nitrosodi-n-propylamine	0.65	U	ug/L	0.65	10
Hexachloroethane	0.58	U	ug/L	0.58	10
Nitrobenzene	0.50	U	ug/L	0.50	1.0
2-Nitrophenol	0.50	U	ug/L	0.50	1.0
2,4-Dimethylphenol	0.56	U	ug/L	0.56	1.0
Bis(2-chloroethoxy)methane	0.59	U	ug/L	0.59	10
2,4-Dichlorophenol	0.50	U	ug/L	0.50	1.0
1,2,4-Trichlorobenzene	0.59	U	ug/L	0.59	10
Naphthalene	0.50	U	ug/L	0.50	10
4-Chloroaniline	0.50	U	ug/L	0.50	1.0
Hexachlorobutadiene	0.50	U	ug/L	0.50	10
4-Chloro-3-methylphenol	0.50	U	ug/L	0.50	1.0
2-Methylnaphthalene	0.50	U	ug/L	0.50	1.0
Hexachlorocyclopentadiene	20	U	ug/L	20	50
2,4,6-Trichlorophenol	0.50	U	ug/L	0.50	1.0
2,4,5-Trichlorophenol	0.50	U	ug/L	0.50	1.0
2-Chloronaphthalene	0.50	U	ug/L	0.50	1.0
2-Nitroaniline	5.0	U	ug/L	5.0	50
Dimethyl phthalate	0.55	U	ug/L	0.55	1.0
Acenaphthylene	0.50	U	ug/L	0.50	1.0
2,6-Dinitrotoluene	0.52	U	ug/L	0.52	10
3-Nitroaniline	1.8	U	ug/L	1.8	50
Acenaphthene	0.57	U	ug/L	0.57	1.0
2,4-Dinitrophenol	20	U	ug/L	20	50
4-Nitrophenol	10	U	ug/L	10	50
2,4-Dinitrotoluene	5.0	U	ug/L	5.0	1.0
Diethyl phthalate	0.52	U	ug/L	0.52	10
Fluorene	0.61	U	ug/L	0.61	1.0
4-Chlorophenyl phenyl ether	0.52	U	ug/L	0.52	10
4-Nitroaniline	1.5	U	ug/L	1.5	50

Ms. Liz Scaggs  
 Entact Environmental Services, LLC  
 3129 Bass Pro Drive  
 Grapevine, TX 76051

Job Number: 560-2525-1

**Client Sample ID:** MW-37  
**Lab Sample ID:** 560-2525-6

Date Sampled: 11/08/2006 1530  
 Date Received: 11/10/2006 0920  
 Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: 8270C</b>	Date Analyzed:	11/15/2006 2320			
<b>Prep Method: 3520C</b>	Date Prepared:	11/13/2006 0817			
4,6-Dinitro-2-methylphenol	5.0	ug/L	5.0	50	1.0
N-Nitrosodiphenylamine	0.51	ug/L	0.51	10	1.0
4-Bromophenyl phenyl ether	0.74	ug/L	0.74	10	1.0
Hexachlorobenzene	0.65	ug/L	0.65	10	1.0
Phenanthrene	0.51	ug/L	0.51	10	1.0
Anthracene	0.50	ug/L	0.50	10	1.0
Di-n-butyl phthalate	0.50	ug/L	0.50	10	1.0
Fluoranthene	0.50	ug/L	0.50	10	1.0
Pyrene	0.50	ug/L	0.50	10	1.0
Butyl benzyl phthalate	0.50	ug/L	0.50	10	1.0
Benzo[a]anthracene	0.50	ug/L	0.50	10	1.0
Chrysene	0.50	ug/L	0.50	10	1.0
Bis(2-ethylhexyl) phthalate	1.9	ug/L	1.9	10	1.0
Di-n-octyl phthalate	5.0	ug/L	5.0	10	1.0
Benzo[b]fluoranthene	0.50	ug/L	0.50	10	1.0
Benzo[k]fluoranthene	0.50	ug/L	0.50	10	1.0
Benzo[a]pyrene	0.50	ug/L	0.50	10	1.0
Indeno[1,2,3-cd]pyrene	0.50	ug/L	0.50	10	1.0
Dibenz(a,h)anthracene	0.50	ug/L	0.50	10	1.0
Benzo[g,h,i]perylene	0.50	ug/L	0.50	10	1.0
3,3'-Dichlorobenzidine	5.0	ug/L	5.0	20	1.0
Pentachlorophenol	5.0	ug/L	5.0	50	1.0
N-Nitrosodimethylamine	1.3	ug/L	1.3	10	1.0
Benzoic acid	20	ug/L	20	50	1.0

Surrogate			Acceptance Limits
2-Fluorophenol	44	%	10 - 120
Phenol-d5	46	%	12 - 120
Nitrobenzene-d5	76	%	30 - 120
2-Fluorobiphenyl	75	%	26 - 120
2,4,6-Tribromophenol	59	%	25 - 120
Terphenyl-d14	37	%	10 - 120

<b>Method: 8081A</b>	Date Analyzed:	11/28/2006 1226
<b>Prep Method: 3520C</b>	Date Prepared:	11/16/2006 0723
alpha-BHC	0.0056	U H
beta-BHC	0.0056	ug/L
delta-BHC	0.0025	ug/L
Heptachlor	0.0059	ug/L
Aldrin	0.0025	U H

Ms. Liz Scaggs  
 Entact Environmental Services, LLC  
 3129 Bass Pro Drive  
 Grapevine, TX 76051

Job Number: 560-2525-1

**Client Sample ID:** MW-37  
**Lab Sample ID:** 560-2525-6

Date Sampled: 11/08/2006 1530  
 Date Received: 11/10/2006 0920  
 Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: 8081A</b>	Date Analyzed:	11/28/2006 1226			
<b>Prep Method: 3520C</b>	Date Prepared:	11/16/2006 0723			
Heptachlor epoxide	0.0028	U H ug/L	0.0028	0.050	1.0
4,4'-DDE	0.0026	U H ug/L	0.0026	0.050	1.0
Endosulfan I	0.0089	U H ug/L	0.0089	0.050	1.0
Dieldrin	0.0083	U H ug/L	0.0083	0.050	1.0
Endrin	0.0025	U H ug/L	0.0025	0.050	1.0
4,4'-DDD	0.0029	U H ug/L	0.0029	0.050	1.0
Endosulfan II	0.0035	U H ug/L	0.0035	0.050	1.0
4,4'-DDT	0.0034	U H ug/L	0.0034	0.050	1.0
Methoxychlor	0.023	U H ug/L	0.023	0.050	1.0
Endosulfan sulfate	0.0039	U H ug/L	0.0039	0.050	1.0
Endrin ketone	0.0073	U H ug/L	0.0073	0.050	1.0
Chlordane (technical)	0.050	U H ug/L	0.050	0.50	1.0
Toxaphene	0.50	U H ug/L	0.50	5.0	1.0
gamma-BHC (Lindane)	0.0027	U H ug/L	0.0027	0.050	1.0
Surrogate				Acceptance Limits	
Tetrachloro-m-xylene	145	X %		57 - 127	
DCB Decachlorobiphenyl	33	%		10 - 152	
<b>Method: 8082</b>	Date Analyzed:	11/27/2006 1522			
<b>Prep Method: 3520C</b>	Date Prepared:	11/15/2006 1700			
Aroclor 1016	0.17	U ug/L	0.17	0.50	1.0
Aroclor 1221	0.17	U ug/L	0.17	0.50	1.0
Aroclor 1232	0.17	U ug/L	0.17	0.50	1.0
Aroclor 1242	0.17	U ug/L	0.17	0.50	1.0
Aroclor 1248	0.17	U ug/L	0.17	0.50	1.0
Aroclor 1254	0.17	U ug/L	0.17	0.50	1.0
Aroclor 1260	0.17	U ug/L	0.17	0.50	1.0
Surrogate				Acceptance Limits	
Tetrachloro-m-xylene	99	%		25 - 140	
DCB Decachlorobiphenyl	28	X %		42 - 133	
<b>Method: DISS-6020</b>	Date Analyzed:	11/15/2006 2059			
<b>Prep Method: 3010A</b>	Date Prepared:	11/15/2006 1030			
Ag	1.0	U *	1.0	5.0	10
As	3.3	J *	1.0	5.0	10
Ba	360	B ug/L	1.0	50	10
Cd	1.0	U ug/L	1.0	5.0	10

Ms. Liz Scaggs  
Entact Environmental Services, LLC  
3129 Bass Pro Drive  
Grapevine, TX 76051

Job Number: 560-2525-1

**Client Sample ID:** MW-37  
**Lab Sample ID:** 560-2525-6

Date Sampled: 11/08/2006 1530  
Date Received: 11/10/2006 0920  
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method:</b> DISS-6020	Date Analyzed:	11/15/2006 2059			
<b>Prep Method:</b> 3010A	Date Prepared:	11/15/2006 1030			
Cr	1.1	U *	ug/L	1.1	20
Ni	1.0	U *	ug/L	1.0	5.0
Pb	1.0	U *	ug/L	1.0	5.0
Se	3.7	J *	ug/L	1.0	5.0
Zn	50	U	ug/L	50	100
<b>Method:</b> DISS-7470A	Date Analyzed:	11/13/2006 1523			
<b>Prep Method:</b> 7470A	Date Prepared:	11/13/2006 1000			
Hg	0.00013	U	mg/L	0.00013	0.0020

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 Entact Environmental Services, LLC  
 3129 Bass Pro Drive  
 Grapevine, TX 76051

Job Number: 560-2525-1

**Client Sample ID: MW-34**  
**Lab Sample ID: 560-2525-7**

Date Sampled: 11/08/2006 1445  
 Date Received: 11/10/2006 0920  
 Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: 8260B</b>	Date Analyzed:	11/13/2006 1511			
<b>Prep Method: 5030B</b>	Date Prepared:	11/13/2006 1511			
Chloromethane	0.44	J ug/L	0.39	5.0	1.0
Vinyl chloride	0.67	J ug/L	0.20	5.0	1.0
Bromomethane	0.39	U ug/L	0.39	5.0	1.0
Chloroethane	0.40	U ug/L	0.40	5.0	1.0
1,1-Dichloroethene	0.32	J ug/L	0.20	5.0	1.0
Carbon disulfide	0.20	U ug/L	0.20	5.0	1.0
Methylene Chloride	0.53	U ug/L	0.53	50	1.0
Acetone	10	J ug/L	0.46	100	1.0
trans-1,2-Dichloroethene	4.4	J ug/L	0.20	5.0	1.0
1,1-Dichloroethane	0.20	U ug/L	0.20	5.0	1.0
Vinyl acetate	0.20	U ug/L	0.20	5.0	1.0
Chloroform	0.20	U ug/L	0.20	5.0	1.0
Carbon tetrachloride	0.25	U ug/L	0.25	5.0	1.0
1,1,1-Trichloroethane	0.20	U ug/L	0.20	5.0	1.0
Benzene	8.8	ug/L	0.20	5.0	1.0
Trichloroethene	0.40	J ug/L	0.32	5.0	1.0
1,2-Dichloropropane	0.20	U ug/L	0.20	5.0	1.0
Bromodichloromethane	0.20	U ug/L	0.20	5.0	1.0
cis-1,3-Dichloropropene	0.20	U ug/L	0.20	5.0	1.0
Toluene	0.20	U ug/L	0.20	5.0	1.0
methyl isobutyl ketone	0.20	U ug/L	0.20	5.0	1.0
trans-1,3-Dichloropropene	0.50	U ug/L	0.50	5.0	1.0
Tetrachloroethene	0.20	U ug/L	0.20	5.0	1.0
1,1,2-Trichloroethane	0.20	U ug/L	0.20	5.0	1.0
Chlorodibromomethane	0.22	U ug/L	0.22	5.0	1.0
2-Hexanone	0.50	U ug/L	0.50	5.0	1.0
Chlorobenzene	0.29	J ug/L	0.20	5.0	1.0
Ethylbenzene	0.20	U ug/L	0.20	5.0	1.0
Bromoform	0.50	U ug/L	0.50	5.0	1.0
Styrene	0.50	U ug/L	0.50	5.0	1.0
1,1,2,2-Tetrachloroethane	0.20	U ug/L	0.20	5.0	1.0
Methyl Ethyl Ketone	0.47	U ug/L	0.47	5.0	1.0
Xylenes, Total	0.90	U ug/L	0.90	15	1.0
Surrogate				Acceptance Limits	
Dibromofluoromethane (Surr)	98	%		80 - 120	
1,2-Dichloroethane-d4 (Surr)	96	%		70 - 120	
Toluene-d8 (Surr)	93	%		80 - 120	
4-Bromofluorobenzene (Surr)	98	%		75 - 120	

Ms. Liz Scaggs  
Entact Environmental Services, LLC  
3129 Bass Pro Drive  
Grapevine, TX 76051

Job Number: 560-2525-1

Client Sample ID: MW-34  
Lab Sample ID: 560-2525-7

Date Sampled: 11/08/2006 1445  
Date Received: 11/10/2006 0920  
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: 8270C</b>	Date Analyzed:	11/15/2006 2348			
<b>Prep Method: 3520C</b>	Date Prepared:	11/13/2006 0817			
Phenol	0.50	ug/L	0.50	10	1.0
Bis(2-chloroethyl)ether	0.71	ug/L	0.71	10	1.0
2-Chlorophenol	0.50	ug/L	0.50	10	1.0
1,3-Dichlorobenzene	0.53	ug/L	0.53	10	1.0
1,4-Dichlorobenzene	0.74	ug/L	0.74	10	1.0
Benzyl alcohol	1.4	ug/L	1.4	20	1.0
1,2-Dichlorobenzene	0.50	ug/L	0.50	10	1.0
2-Methylphenol	0.50	ug/L	0.50	10	1.0
Bis(2-chloroisopropyl) ether	0.57	ug/L	0.57	10	1.0
3 & 4 Methylphenol	0.88	ug/L	0.88	10	1.0
N-Nitrosodi-n-propylamine	0.65	ug/L	0.65	10	1.0
Hexachloroethane	0.58	ug/L	0.58	10	1.0
Nitrobenzene	0.50	ug/L	0.50	10	1.0
2-Nitrophenol	0.50	ug/L	0.50	10	1.0
2,4-Dimethylphenol	0.56	ug/L	0.56	10	1.0
Bis(2-chloroethoxy)methane	0.59	ug/L	0.59	10	1.0
2,4-Dichlorophenol	0.50	ug/L	0.50	10	1.0
1,2,4-Trichlorobenzene	0.59	ug/L	0.59	10	1.0
Naphthalene	0.50	ug/L	0.50	10	1.0
4-Chloroaniline	0.50	ug/L	0.50	10	1.0
Hexachlorobutadiene	0.50	ug/L	0.50	10	1.0
4-Chloro-3-methylphenol	0.50	ug/L	0.50	10	1.0
2-Methylnaphthalene	0.50	ug/L	0.50	10	1.0
Hexachlorocyclopentadiene	20	ug/L	20	50	1.0
2,4,6-Trichlorophenol	0.50	ug/L	0.50	10	1.0
2,4,5-Trichlorophenol	0.50	ug/L	0.50	10	1.0
2-Chloronaphthalene	0.50	ug/L	0.50	10	1.0
2-Nitroaniline	5.0	ug/L	5.0	50	1.0
Dimethyl phthalate	0.55	ug/L	0.55	10	1.0
Acenaphthylene	0.50	ug/L	0.50	10	1.0
2,6-Dinitrotoluene	0.52	ug/L	0.52	10	1.0
3-Nitroaniline	1.8	ug/L	1.8	50	1.0
Acenaphthene	0.57	ug/L	0.57	10	1.0
2,4-Dinitrophenol	20	ug/L	20	50	1.0
4-Nitrophenol	10	ug/L	10	50	1.0
2,4-Dinitrotoluene	5.0	ug/L	5.0	10	1.0
Diethyl phthalate	0.52	ug/L	0.52	10	1.0
Fluorene	0.61	ug/L	0.61	10	1.0
4-Chlorophenyl phenyl ether	0.52	ug/L	0.52	10	1.0
4-Nitroaniline	1.5	ug/L	1.5	50	1.0

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 3129 Bass Pro Drive  
 Grapevine, TX 76051

Job Number: 560-2525-1

**Client Sample ID:** MW-34  
**Lab Sample ID:** 560-2525-7

Date Sampled: 11/08/2006 1445  
 Date Received: 11/10/2006 0920  
 Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: 8270C</b>	Date Analyzed:	11/15/2006 2348			
<b>Prep Method: 3520C</b>	Date Prepared:	11/13/2006 0817			
4,6-Dinitro-2-methylphenol	5.0	ug/L	5.0	50	1.0
N-Nitrosodiphenylamine	0.51	ug/L	0.51	10	1.0
4-Bromophenyl phenyl ether	0.74	ug/L	0.74	10	1.0
Hexachlorobenzene	0.65	ug/L	0.65	10	1.0
Phenanthrene	0.51	ug/L	0.51	10	1.0
Anthracene	0.50	ug/L	0.50	10	1.0
Di-n-butyl phthalate	0.50	ug/L	0.50	10	1.0
Fluoranthene	0.50	ug/L	0.50	10	1.0
Pyrene	0.50	ug/L	0.50	10	1.0
Butyl benzyl phthalate	0.50	ug/L	0.50	10	1.0
Benzo[a]anthracene	0.50	ug/L	0.50	10	1.0
Chrysene	0.50	ug/L	0.50	10	1.0
Bis(2-ethylhexyl) phthalate	1.9	ug/L	1.9	10	1.0
Di-n-octyl phthalate	5.0	ug/L	5.0	10	1.0
Benzo[b]fluoranthene	0.50	ug/L	0.50	10	1.0
Benzo[k]fluoranthene	0.50	ug/L	0.50	10	1.0
Benzo[a]pyrene	0.50	ug/L	0.50	10	1.0
Indeno[1,2,3-cd]pyrene	0.50	ug/L	0.50	10	1.0
Dibenz(a,h)anthracene	0.50	ug/L	0.50	10	1.0
Benzo[g,h,i]perylene	0.50	ug/L	0.50	10	1.0
3,3'-Dichlorobenzidine	5.0	ug/L	5.0	20	1.0
Pentachlorophenol	5.0	ug/L	5.0	50	1.0
N-Nitrosodimethylamine	1.3	ug/L	1.3	10	1.0
Benzoic acid	20	ug/L	20	50	1.0
<b>Surrogate</b>				Acceptance Limits	
2-Fluorophenol	40	%		10 - 120	
Phenol-d5	44	%		12 - 120	
Nitrobenzene-d5	74	%		30 - 120	
2-Fluorobiphenyl	69	%		26 - 120	
2,4,6-Tribromophenol	59	%		25 - 120	
Terphenyl-d14	35	%		10 - 120	

<b>Method: 8081A</b>	Date Analyzed:	11/28/2006 1250
<b>Prep Method: 3520C</b>	Date Prepared:	11/16/2006 0723
alpha-BHC	0.0056	U H
beta-BHC	0.0056	ug/L
delta-BHC	0.0025	ug/L
Heptachlor	0.0059	ug/L
Aldrin	0.0025	U H

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Job Number: 560-2525-1

**Client Sample ID:** MW-34  
**Lab Sample ID:** 560-2525-7

Date Sampled: 11/08/2006 1445  
 Date Received: 11/10/2006 0920  
 Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: 8081A</b>	Date Analyzed:	11/28/2006 1250			
<b>Prep Method: 3520C</b>	Date Prepared:	11/16/2006 0723			
Heptachlor epoxide	0.0028	U H	ug/L	0.0028	0.050
4,4'-DDE	0.0026	U H	ug/L	0.0026	0.050
Endosulfan I	0.0089	U H	ug/L	0.0089	0.050
Dieldrin	0.0083	U H	ug/L	0.0083	0.050
Endrin	0.0025	U H	ug/L	0.0025	0.050
4,4'-DDD	0.0029	U H	ug/L	0.0029	0.050
Endosulfan II	0.0035	U H	ug/L	0.0035	0.050
4,4'-DDT	0.0034	U H	ug/L	0.0034	0.050
Methoxychlor	0.023	U H	ug/L	0.023	0.050
Endosulfan sulfate	0.0039	U H	ug/L	0.0039	0.050
Endrin ketone	0.0073	U H	ug/L	0.0073	0.050
Chlordane (technical)	0.050	U H	ug/L	0.050	0.50
Toxaphene	0.50	U H	ug/L	0.50	5.0
gamma-BHC (Lindane)	0.0027	U H	ug/L	0.0027	0.050
Surrogate				Acceptance Limits	
Tetrachloro-m-xylene	127		%	57 - 127	
DCB Decachlorobiphenyl	10		%	10 - 152	
<b>Method: 8082</b>	Date Analyzed:	11/27/2006 1540			
<b>Prep Method: 3520C</b>	Date Prepared:	11/15/2006 1700			
Aroclor 1016	0.17	U	ug/L	0.17	0.50
Aroclor 1221	0.17	U	ug/L	0.17	0.50
Aroclor 1232	0.17	U	ug/L	0.17	0.50
Aroclor 1242	0.17	U	ug/L	0.17	0.50
Aroclor 1248	0.17	U	ug/L	0.17	0.50
Aroclor 1254	0.17	U	ug/L	0.17	0.50
Aroclor 1260	0.17	U	ug/L	0.17	0.50
Surrogate				Acceptance Limits	
Tetrachloro-m-xylene	91		%	25 - 140	
DCB Decachlorobiphenyl	10	X	%	42 - 133	
<b>Method: DISS-6020</b>	Date Analyzed:	11/15/2006 2106			
<b>Prep Method: 3010A</b>	Date Prepared:	11/15/2006 1030			
Ag	1.0	U *	ug/L	1.0	5.0
As	4.4	J *	ug/L	1.0	5.0
Ba	920	B	ug/L	1.0	50
Cd	1.0	U	ug/L	1.0	5.0

Ms. Liz Scaggs  
Entact Environmental Services, LLC  
3129 Bass Pro Drive  
Grapevine, TX 76051

Job Number: 560-2525-1

**Client Sample ID:** MW-34  
**Lab Sample ID:** 560-2525-7

Date Sampled: 11/08/2006 1445  
Date Received: 11/10/2006 0920  
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method:</b> DISS-6020	Date Analyzed:	11/15/2006 2106			
<b>Prep Method:</b> 3010A	Date Prepared:	11/15/2006 1030			
Cr	1.1	U *	ug/L	1.1	20
Ni	1.0	U *	ug/L	1.0	5.0
Pb	1.0	U *	ug/L	1.0	5.0
Se	1.0	U *	ug/L	1.0	5.0
Zn	50	U	ug/L	50	100
<b>Method:</b> DISS-7470A	Date Analyzed:	11/13/2006 1525			
<b>Prep Method:</b> 7470A	Date Prepared:	11/13/2006 1000			
Hg	0.00013	U	mg/L	0.00013	0.0020

Ms. Liz Scaggs  
 Entact Environmental Services, LLC  
 3129 Bass Pro Drive  
 Grapevine, TX 76051

Job Number: 560-2525-1

**Client Sample ID:** trip blank  
**Lab Sample ID:** 560-2525-8

Date Sampled: 11/08/2006 0000  
 Date Received: 11/10/2006 0920  
 Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: 8260B</b>	Date Analyzed:	11/13/2006 1535			
<b>Prep Method: 5030B</b>	Date Prepared:	11/13/2006 1535			
Chloromethane	0.39	U	ug/L	0.39	5.0
Vinyl chloride	0.20	U	ug/L	0.20	5.0
Bromomethane	0.39	U	ug/L	0.39	5.0
Chloroethane	0.40	U	ug/L	0.40	5.0
1,1-Dichloroethene	0.20	U	ug/L	0.20	5.0
Carbon disulfide	0.20	U	ug/L	0.20	5.0
Methylene Chloride	0.85	J B	ug/L	0.53	50
Acetone	0.46	U	ug/L	0.46	100
trans-1,2-Dichloroethene	0.20	U	ug/L	0.20	5.0
1,1-Dichloroethane	0.20	U	ug/L	0.20	5.0
Vinyl acetate	0.20	U	ug/L	0.20	5.0
Chloroform	0.20	U	ug/L	0.20	5.0
Carbon tetrachloride	0.25	U	ug/L	0.25	5.0
1,1,1-Trichloroethane	0.20	U	ug/L	0.20	5.0
Benzene	0.20	U	ug/L	0.20	5.0
Trichloroethene	0.32	U	ug/L	0.32	5.0
1,2-Dichloropropane	0.20	U	ug/L	0.20	5.0
Bromodichloromethane	0.20	U	ug/L	0.20	5.0
cis-1,3-Dichloropropene	0.20	U	ug/L	0.20	5.0
Toluene	0.20	U	ug/L	0.20	5.0
methyl isobutyl ketone	0.20	U	ug/L	0.20	5.0
trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	5.0
Tetrachloroethene	0.20	U	ug/L	0.20	5.0
1,1,2-Trichloroethane	0.20	U	ug/L	0.20	5.0
Chlorodibromomethane	0.22	U	ug/L	0.22	5.0
2-Hexanone	0.50	U	ug/L	0.50	5.0
Chlorobenzene	0.20	U	ug/L	0.20	5.0
Ethylbenzene	0.20	U	ug/L	0.20	5.0
Bromoform	0.50	U	ug/L	0.50	5.0
Styrene	0.50	U	ug/L	0.50	5.0
1,1,2,2-Tetrachloroethane	0.20	U	ug/L	0.20	5.0
Methyl Ethyl Ketone	0.47	U	ug/L	0.47	5.0
Xylenes, Total	0.90	U	ug/L	0.90	15
Surrogate				Acceptance Limits	
Dibromofluoromethane (Surr)	98	%		80 - 120	
1,2-Dichloroethane-d4 (Surr)	96	%		70 - 120	
Toluene-d8 (Surr)	92	%		80 - 120	
4-Bromofluorobenzene (Surr)	96	%		75 - 120	

## DATA REPORTING QUALIFIERS

Client: Entact Environmental Services, LLC

Job Number: 560-2525-1

Lab Section	Qualifier	Description
GC/MS VOA	B	Compound was found in the blank and sample.
	U	Indicates the analyte was analyzed for but not detected.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC/MS Semi VOA	U	Indicates the analyte was analyzed for but not detected.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits
GC Semi VOA	U	Indicates the analyte was analyzed for but not detected.
	*	LCS or LCSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	H	Sample was prepped or analyzed beyond the specified holding time
	X	Surrogate exceeds the control limits
Metals	B	Compound was found in the blank and sample.
	U	Indicates the analyte was analyzed for but not detected.
	*	LCS or LCSD exceeds the control limits
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits

# **QUALITY CONTROL RESULTS**

## Quality Control Results

Client: Enact Environmental Services, LLC

Job Number: 560-2525-1

### Surrogate Recovery Report

#### 8260B Volatile Organic Compounds by GC/MS

##### Client Matrix: Water

Lab Sample ID	Client Sample	(12DCE) (%Rec)	(BFB) (%Rec)	(DBFM) (%Rec)	(TOL) (%Rec)
560-2525-1	MW-6	95	98	95	93
560-2525-2	MW-6D	100	96	98	90
560-2525-3	MW-31	94	97	92	95
560-2525-4	MW-39	96	99	94	94
560-2525-5	MW-35	92	95	96	94
560-2525-6	MW-37	96	97	96	94
560-2525-7	MW-34	96	98	98	93
560-2525-8TB	trip blank	96	96	98	92
LCS 560-6409/1		91	98	93	97
MB 560-6409/2		96	98	94	93

##### Surrogate                                   Acceptance Limits

(12DCE)	1,2-Dichloroethane-d4 (Surr)	70 - 120
(BFB)	4-Bromofluorobenzene (Surr)	75 - 120
(DBFM)	Dibromofluoromethane (Surr)	80 - 120
(TOL)	Toluene-d8 (Surr)	80 - 120

## Quality Control Results

Client: Entact Environmental Services, LLC

Job Number: 560-2525-1

## **Surrogate Recovery Report**

## **8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)**

## Client Matrix: Water

<u>Lab Sample ID</u>	<u>Client Sample</u>	(2FP) (%Rec)	(FBP) (%Rec)	(NBZ) (%Rec)	(PHL) (%Rec)	(TBP) (%Rec)	(TPH) (%Rec)
560-2525-1	MW-6	42	66	72	48	66	63
560-2525-2	MW-6D	44	72	76	46	58	53
560-2525-3	MW-31	43	77	79	47	58	46
560-2525-4	MW-39	44	73	76	47	63	55
560-2525-5	MW-35	49	74	76	52	74	83
560-2525-6	MW-37	44	75	76	46	59	37
560-2525-7	MW-34	40	69	74	44	59	35
560-2525-2MS	MW-6D	51	84	84	56	81	84
560-2525-2MSD	MW-6D	47	78	80	48	70	66
LCS 560-6411/2-AA		57	87	80	60	85	94
MB 560-6411/1-AA		48	75	77	49	72	96

<b>Surrogate</b>		<b>Acceptance Limits</b>
(2FP)	2-Fluorophenol	10 - 120
(FBP)	2-Fluorobiphenyl	26 - 120
(NBZ)	Nitrobenzene-d5	30 - 120
(PHL)	Phenol-d5	12 - 120
(TBP)	2,4,6-Tribromophenol	25 - 120
(TPH)	Terphenyl-d14	10 - 120

## Quality Control Results

Client: Entact Environmental Services, LLC

Job Number: 560-2525-1

### Surrogate Recovery Report

#### 8081A Organochlorine Pesticides by Gas Chromatography

##### Client Matrix: Water

Lab Sample ID	Client Sample	(DCB 1) (%Rec)	(TCX 1) (%Rec)
560-2525-1	MW-6	37	95
560-2525-2	MW-6D	52	97
560-2525-3	MW-31	34	86
560-2525-4	MW-39	51	85
560-2525-5	MW-35	84	112
560-2525-6	MW-37	33	145 X
560-2525-7	MW-34	10	127
560-2525-4MS	MW-39	53	74
560-2525-4MSD	MW-39	59	85
LCS 560-6499/2-AA		69	84
LCS 560-6501/2-AA		85	118
MB 560-6499/1-AA		92	86
MB 560-6501/1-AA		77	144 X

Surrogate	Acceptance Limits
(DCB 1)	DCB Decachlorobiphenyl
(TCX 1)	Tetrachloro-m-xylene

**Quality Control Results**

Client: Entact Environmental Services, LLC

Job Number: 560-2525-1

**Surrogate Recovery Report****8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography****Client Matrix: Water**

<u>Lab Sample ID</u>	<u>Client Sample</u>	(DCB 1) (%Rec)	(TCX 1) (%Rec)
560-2525-1	MW-6	40 X	85
560-2525-2	MW-6D	53	82
560-2525-3	MW-31	30 X	84
560-2525-4	MW-39	51	87
560-2525-5	MW-35	75	91
560-2525-6	MW-37	28 X	99
560-2525-7	MW-34	10 X	91
560-2525-3MS	MW-31	32 X	89
560-2525-3MSD	MW-31	36 X	86
LCS 560-6497/2-AA		78	72
LCS 560-6500/2-AA		66	94
MB 560-6497/1-AA		89	78
MB 560-6500/1-AA		75	127

**Surrogate** **Acceptance Limits**

(DCB 1)	DCB Decachlorobiphenyl	42 - 133
(TCX 1)	Tetrachloro-m-xylene	25 - 140

## Quality Control Results

Client: Entact Environmental Services, LLC

Job Number: 560-2525-1

### Method Blank - Batch: 560-6409

Lab Sample ID: MB 560-6409/2  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 11/13/2006 1039  
Date Prepared: 11/13/2006 1039

Analysis Batch: 560-6409  
Prep Batch: N/A  
Units: ug/L

### Method: 8260B Preparation: 5030B

Instrument ID: Hewlett Packard GCMS  
Lab File ID: 11130607.D  
Initial Weight/Volume: 5 mL  
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Chloromethane	0.39	U	0.39	5.0
Vinyl chloride	0.20	U	0.20	5.0
Bromomethane	0.39	U	0.39	5.0
Chloroethane	0.40	U	0.40	5.0
1,1-Dichloroethene	0.20	U	0.20	5.0
Carbon disulfide	0.20	U	0.20	5.0
Methylene Chloride	0.62	J	0.53	50
Acetone	0.46	U	0.46	100
trans-1,2-Dichloroethene	0.20	U	0.20	5.0
1,1-Dichloroethane	0.20	U	0.20	5.0
Vinyl acetate	0.20	U	0.20	5.0
Chloroform	0.20	U	0.20	5.0
Carbon tetrachloride	0.25	U	0.25	5.0
1,1,1-Trichloroethane	0.20	U	0.20	5.0
Benzene	0.20	U	0.20	5.0
Trichloroethene	0.32	U	0.32	5.0
1,2-Dichloropropane	0.20	U	0.20	5.0
Bromodichloromethane	0.20	U	0.20	5.0
cis-1,3-Dichloropropene	0.20	U	0.20	5.0
Toluene	0.20	U	0.20	5.0
methyl isobutyl ketone	0.20	U	0.20	5.0
trans-1,3-Dichloropropene	0.50	U	0.50	5.0
Tetrachloroethene	0.20	U	0.20	5.0
1,1,2-Trichloroethane	0.20	U	0.20	5.0
Chlorodibromomethane	0.22	U	0.22	5.0
2-Hexanone	0.50	U	0.50	5.0
Chlorobenzene	0.20	U	0.20	5.0
Ethylbenzene	0.20	U	0.20	5.0
Bromoform	0.50	U	0.50	5.0
Styrene	0.50	U	0.50	5.0
1,1,2,2-Tetrachloroethane	0.20	U	0.20	5.0
Methyl Ethyl Ketone	0.47	U	0.47	5.0
Xylenes, Total	0.90	U	0.90	15
Surrogate	% Rec	Acceptance Limits		
Dibromofluoromethane (Surr)	94	80 - 120		
1,2-Dichloroethane-d4 (Surr)	96	70 - 120		
Toluene-d8 (Surr)	93	80 - 120		
4-Bromofluorobenzene (Surr)	98	75 - 120		

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Entact Environmental Services, LLC

Job Number: 560-2525-1

### Lab Control Spike - Batch: 560-6409

**Method: 8260B**

**Preparation: 5030B**

Lab Sample ID: LCS 560-6409/1

Analysis Batch: 560-6409

Instrument ID: Hewlett Packard GCMS

Client Matrix: Water

Prep Batch: N/A

Lab File ID: 11130604.D

Dilution: 1.0

Units: ug/L

Initial Weight/Volume: 5 mL

Date Analyzed: 11/13/2006 0925

Final Weight/Volume: 5 mL

Date Prepared: 11/13/2006 0925

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloromethane	50.0	49.4	99	40 - 125	
Vinyl chloride	50.0	46.0	92	50 - 145	
Bromomethane	50.0	49.0	98	30 - 145	
Chloroethane	50.0	46.2	92	60 - 135	
1,1-Dichloroethene	50.0	45.3	91	70 - 130	
Carbon disulfide	50.0	42.3	85	35 - 160	
Methylene Chloride	50.0	49.7	99	55 - 140	J
Acetone	50.0	48.1	96	40 - 140	J
trans-1,2-Dichloroethene	50.0	46.4	93	60 - 140	
1,1-Dichloroethane	50.0	46.6	93	70 - 135	
Vinyl acetate	50.0	47.5	95	80 - 148	
Chloroform	50.0	47.7	95	65 - 135	
Carbon tetrachloride	50.0	48.4	97	65 - 140	
1,1,1-Trichloroethane	50.0	47.6	95	65 - 130	
Benzene	50.0	49.3	99	80 - 120	
Trichloroethene	50.0	50.9	102	70 - 125	
1,2-Dichloropropane	50.0	50.0	100	75 - 125	
Bromodichlormethane	50.0	53.1	106	75 - 120	
cis-1,3-Dichloropropene	50.0	45.0	90	70 - 130	
Toluene	50.0	51.0	102	75 - 120	
methyl isobutyl ketone	50.0	49.0	98	60 - 135	
trans-1,3-Dichloropropene	50.0	60.3	121	55 - 140	
Tetrachloroethene	50.0	52.0	104	45 - 150	
1,1,2-Trichloroethane	50.0	53.1	106	75 - 125	
Chlorodibromomethane	50.0	54.0	108	60 - 135	
2-Hexanone	50.0	48.9	98	55 - 130	
Chlorobenzene	50.0	50.1	100	80 - 120	
Ethylbenzene	50.0	51.7	103	75 - 125	
Bromoform	50.0	49.2	98	70 - 130	
Styrene	50.0	57.9	116	65 - 135	
1,1,2,2-Tetrachloroethane	50.0	50.1	100	65 - 130	
Methyl Ethyl Ketone	50.0	44.7	89	30 - 150	
Xylenes, Total	150	150	100	80 - 120	
<b>Surrogate</b>		<b>% Rec</b>		<b>Acceptance Limits</b>	
Dibromofluoromethane (Surr)		93		80 - 120	
1,2-Dichloroethane-d4 (Surr)		91		70 - 120	
Toluene-d8 (Surr)		97		80 - 120	
4-Bromofluorobenzene (Surr)		98		75 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Entact Environmental Services, LLC

Job Number: 560-2525-1

### Method Blank - Batch: 560-6411

Lab Sample ID: MB 560-6411/1-AA  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 11/15/2006 1809  
Date Prepared: 11/13/2006 0817

Analysis Batch: 560-6534  
Prep Batch: 560-6411  
Units: ug/L

### Method: 8270C Preparation: 3520C

Instrument ID: Agilent GCMS [Method 827]  
Lab File ID: 11150604.D  
Initial Weight/Volume: 1000 mL  
Final Weight/Volume: 1 mL  
Injection Volume:

Analyte	Result	Qual	MDL	RL
Phenol	0.50	U	0.50	10
Bis(2-chloroethyl)ether	0.71	U	0.71	10
2-Chlorophenol	0.50	U	0.50	10
1,3-Dichlorobenzene	0.53	U	0.53	10
1,4-Dichlorobenzene	0.74	U	0.74	10
Benzyl alcohol	1.4	U	1.4	20
1,2-Dichlorobenzene	0.50	U	0.50	10
2-Methylphenol	0.50	U	0.50	10
Bis(2-chloroisopropyl) ether	0.57	U	0.57	10
3 & 4 Methylphenol	0.88	U	0.88	10
N-Nitrosodi-n-propylamine	0.65	U	0.65	10
Hexachloroethane	0.58	U	0.58	10
Nitrobenzene	0.50	U	0.50	10
2-Nitrophenol	0.50	U	0.50	10
2,4-Dimethylphenol	0.56	U	0.56	10
Bis(2-chloroethoxy)methane	0.59	U	0.59	10
2,4-Dichlorophenol	0.50	U	0.50	10
1,2,4-Trichlorobenzene	0.59	U	0.59	10
Naphthalene	0.50	U	0.50	10
4-Chloroaniline	0.50	U	0.50	10
Hexachlorobutadiene	0.50	U	0.50	10
4-Chloro-3-methylphenol	0.50	U	0.50	10
2-Methylnaphthalene	0.50	U	0.50	10
Hexachlorocyclopentadiene	20	U	20	50
2,4,6-Trichlorophenol	0.50	U	0.50	10
2,4,5-Trichlorophenol	0.50	U	0.50	10
2-Chloronaphthalene	0.50	U	0.50	10
2-Nitroaniline	5.0	U	5.0	50
Dimethyl phthalate	0.55	U	0.55	10
Acenaphthylene	0.50	U	0.50	10
2,6-Dinitrotoluene	0.52	U	0.52	10
3-Nitroaniline	1.8	U	1.8	50
Acenaphthene	0.57	U	0.57	10
2,4-Dinitrophenol	20	U	20	50
4-Nitrophenol	10	U	10	50
2,4-Dinitrotoluene	5.0	U	5.0	10
Diethyl phthalate	0.52	U	0.52	10
Fluorene	0.61	U	0.61	10
4-Chlorophenyl phenyl ether	0.52	U	0.52	10
4-Nitroaniline	1.5	U	1.5	50
4,6-Dinitro-2-methylphenol	5.0	U	5.0	50

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Entact Environmental Services, LLC

Job Number: 560-2525-1

### Method Blank - Batch: 560-6411

Lab Sample ID: MB 560-6411/1-AA  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 11/15/2006 1809  
Date Prepared: 11/13/2006 0817

Analysis Batch: 560-6534  
Prep Batch: 560-6411  
Units: ug/L

### Method: 8270C Preparation: 3520C

Instrument ID: Agilent GCMS [Method 827]  
Lab File ID: 11150604.D  
Initial Weight/Volume: 1000 mL  
Final Weight/Volume: 1 mL  
Injection Volume:

Analyte	Result	Qual	MDL	RL
N-Nitrosodiphenylamine	0.51	U	0.51	10
4-Bromophenyl phenyl ether	0.74	U	0.74	10
Hexachlorobenzene	0.65	U	0.65	10
Phenanthrene	0.51	U	0.51	10
Anthracene	0.50	U	0.50	10
Di-n-butyl phthalate	0.50	U	0.50	10
Fluoranthene	0.50	U	0.50	10
Pyrene	0.50	U	0.50	10
Butyl benzyl phthalate	0.50	U	0.50	10
Benzo[a]anthracene	0.50	U	0.50	10
Chrysene	0.50	U	0.50	10
Bis(2-ethylhexyl) phthalate	1.9	U	1.9	10
Di-n-octyl phthalate	5.0	U	5.0	10
Benzo[b]fluoranthene	0.50	U	0.50	10
Benzo[k]fluoranthene	0.50	U	0.50	10
Benzo[a]pyrene	0.50	U	0.50	10
Indeno[1,2,3-cd]pyrene	0.50	U	0.50	10
Dibenz(a,h)anthracene	0.50	U	0.50	10
Benzo[g,h,i]perylene	0.50	U	0.50	10
3,3'-Dichlorobenzidine	5.0	U	5.0	20
Pentachlorophenol	5.0	U	5.0	50
N-Nitrosodimethylamine	1.3	U	1.3	10
Benzoic acid	20	U	20	50

Surrogate	% Rec	Acceptance Limits
2-Fluorophenol	48	10 - 120
Phenol-d5	49	12 - 120
Nitrobenzene-d5	77	30 - 120
2-Fluorobiphenyl	75	26 - 120
2,4,6-Tribromophenol	72	25 - 120
Terphenyl-d14	96	10 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Entact Environmental Services, LLC

Job Number: 560-2525-1

### Lab Control Spike - Batch: 560-6411

Method: 8270C

Preparation: 3520C

Lab Sample ID: LCS 560-6411/2-AA

Analysis Batch: 560-6534

Instrument ID: Agilent GCMS [Method 827]

Client Matrix: Water

Prep Batch: 560-6411

Lab File ID: 11150605.D

Dilution: 1.0

Units: ug/L

Initial Weight/Volume: 1000 mL

Date Analyzed: 11/15/2006 1838

Final Weight/Volume: 1 mL

Date Prepared: 11/13/2006 0817

Injection Volume:

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Phenol	100	60.7	61	20 - 120	
Bis(2-chloroethyl)ether	100	75.3	75	35 - 110	
2-Chlorophenol	100	68.8	69	35 - 105	
1,3-Dichlorobenzene	100	55.5	56	30 - 100	
1,4-Dichlorobenzene	100	57.4	57	30 - 100	
Benzyl alcohol	100	77.7	78	30 - 110	
1,2-Dichlorobenzene	100	58.3	58	35 - 100	
2-Methylphenol	100	69.0	69	40 - 110	
Bis(2-chloroisopropyl) ether	100	77.4	77	25 - 130	
3 & 4 Methylphenol	200	131	65	30 - 110	
N-Nitrosodi-n-propylamine	100	77.5	77	35 - 130	
Hexachloroethane	100	53.3	53	30 - 95	
Nitrobenzene	100	74.3	74	45 - 110	
2-Nitrophenol	100	73.8	74	40 - 115	
2,4-Dimethylphenol	100	57.9	58	30 - 110	
Bis(2-chloroethoxy)methane	100	77.4	77	45 - 105	
2,4-Dichlorophenol	100	73.4	73	50 - 105	
1,2,4-Trichlorobenzene	100	69.8	70	35 - 105	
Naphthalene	100	73.0	73	40 - 100	
4-Chloroaniline	100	71.6	72	15 - 110	
Hexachlorobutadiene	100	65.8	66	25 - 105	
4-Chloro-3-methylphenol	100	71.9	72	45 - 110	
2-Methylnaphthalene	100	74.0	74	45 - 105	
Hexachlorocyclopentadiene	100	22.3	22	10 - 120	J
2,4,6-Trichlorophenol	100	77.2	77	50 - 115	
2,4,5-Trichlorophenol	100	76.6	77	50 - 110	
2-Chloronaphthalene	100	79.7	80	50 - 105	
2-Nitroaniline	100	79.5	79	50 - 115	
Dimethyl phthalate	100	80.5	81	25 - 125	
Acenaphthylene	100	81.3	81	50 - 105	
2,6-Dinitrotoluene	100	81.3	81	50 - 115	
3-Nitroaniline	100	76.8	77	20 - 125	
Acenaphthene	100	82.1	82	45 - 110	
2,4-Dinitrophenol	100	77.8	78	15 - 140	
4-Nitrophenol	100	66.3	66	20 - 120	
2,4-Dinitrotoluene	100	81.5	82	50 - 120	
Diethyl phthalate	100	80.9	81	40 - 120	
Fluorene	100	82.5	83	50 - 110	
4-Chlorophenyl phenyl ether	100	83.4	83	50 - 110	
4-Nitroaniline	100	79.0	79	35 - 120	
4,6-Dinitro-2-methylphenol	100	88.2	88	40 - 130	

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Entact Environmental Services, LLC

Job Number: 560-2525-1

### Lab Control Spike - Batch: 560-6411

Method: 8270C

Preparation: 3520C

Lab Sample ID: LCS 560-6411/2-AA

Analysis Batch: 560-6534

Instrument ID: Agilent GCMS [Method 827]

Client Matrix: Water

Prep Batch: 560-6411

Lab File ID: 11150605.D

Dilution: 1.0

Units: ug/L

Initial Weight/Volume: 1000 mL

Date Analyzed: 11/15/2006 1838

Final Weight/Volume: 1 mL

Date Prepared: 11/13/2006 0817

Injection Volume:

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
N-Nitrosodiphenylamine	100	77.8	78	50 - 110	
4-Bromophenyl phenyl ether	100	83.8	84	50 - 115	
Hexachlorobenzene	100	83.0	83	50 - 110	
Phenanthrene	100	84.1	84	50 - 115	
Anthracene	100	83.8	84	55 - 110	
Di-n-butyl phthalate	100	85.0	85	55 - 115	
Fluoranthene	100	84.6	85	55 - 115	
Pyrene	100	85.1	85	50 - 130	
Butyl benzyl phthalate	100	82.3	82	45 - 115	
Benzo[a]anthracene	100	86.0	86	55 - 110	
Chrysene	100	85.6	86	55 - 110	
Bis(2-ethylhexyl) phthalate	100	84.7	85	40 - 125	
Di-n-octyl phthalate	100	82.4	82	35 - 135	
Benzo[b]fluoranthene	100	89.8	90	45 - 120	
Benzo[k]fluoranthene	100	86.4	86	45 - 125	
Benzo[a]pyrene	100	84.7	85	55 - 110	
Indeno[1,2,3-cd]pyrene	100	87.9	88	45 - 125	
Dibenz(a,h)anthracene	100	86.3	86	40 - 125	
Benzo[g,h,i]perylene	100	86.3	86	40 - 125	
3,3'-Dichlorobenzidine	100	72.8	73	20 - 110	
Pentachlorophenol	100	80.2	80	40 - 115	
N-Nitrosodimethylamine	100	73.2	73	25 - 110	
Benzoic acid	100	45.5	46	10 - 121	J

Surrogate	% Rec	Acceptance Limits
2-Fluorophenol	57	10 - 120
Phenol-d5	60	12 - 120
Nitrobenzene-d5	80	30 - 120
2-Fluorobiphenyl	87	26 - 120
2,4,6-Tribromophenol	85	25 - 120
Terphenyl-d14	94	10 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Entact Environmental Services, LLC

Job Number: 560-2525-1

### **Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 560-6411**

**Method: 8270C  
Preparation: 3520C**

MS Lab Sample ID: 560-2525-2      Analysis Batch: 560-6534  
 Client Matrix: Water      Prep Batch: 560-6411  
 Dilution: 1.0  
 Date Analyzed: 11/15/2006 1906  
 Date Prepared: 11/13/2006 0817

Instrument ID: Agilent GCMS [Method  
 Lab File ID: 11150606.D  
 Initial Weight/Volume: 1000 mL  
 Final Weight/Volume: 1 mL  
 Injection Volume:

MSD Lab Sample ID: 560-2525-2      Analysis Batch: 560-6534  
 Client Matrix: Water      Prep Batch: 560-6411  
 Dilution: 1.0  
 Date Analyzed: 11/15/2006 1934  
 Date Prepared: 11/13/2006 0817

Instrument ID: Agilent GCMS [Method 827  
 Lab File ID: 11150607.D  
 Initial Weight/Volume: 1000 mL  
 Final Weight/Volume: 1 mL  
 Injection Volume:

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Phenol	58	51	20 - 120	13	20		
Bis(2-chloroethyl)ether	76	72	35 - 110	5	20		
2-Chlorophenol	61	55	35 - 105	11	20		
1,3-Dichlorobenzene	54	52	30 - 100	4	20		
1,4-Dichlorobenzene	56	54	30 - 100	2	20		
Benzyl alcohol	81	76	30 - 110	6	20		
1,2-Dichlorobenzene	57	56	35 - 100	1	20		
2-Methylphenol	66	59	40 - 110	12	20		
Bis(2-chloroisopropyl) ether	80	78	25 - 130	3	20		
3 & 4 Methylphenol	62	54	30 - 110	13	20		
N-Nitrosodi-n-propylamine	81	77	35 - 130	5	20		
Hexachloroethane	54	52	30 - 95	4	20		
Nitrobenzene	80	78	45 - 110	2	20		
2-Nitrophenol	71	63	40 - 115	12	20		
2,4-Dimethylphenol	62	57	30 - 110	8	20		
Bis(2-chloroethoxy)methane	80	76	45 - 105	5	20		
2,4-Dichlorophenol	70	61	50 - 105	14	20		
1,2,4-Trichlorobenzene	72	68	35 - 105	5	20		
Naphthalene	76	71	40 - 100	6	20		
4-Chloroaniline	74	69	15 - 110	7	20		
Hexachlorobutadiene	67	62	25 - 105	8	20		
4-Chloro-3-methylphenol	70	62	45 - 110	12	20		
2-Methylnaphthalene	76	72	45 - 105	6	20		
Hexachlorocyclopentadiene	25	24	10 - 120	4	20	J	J
2,4,6-Trichlorophenol	76	67	50 - 115	13	20		
2,4,5-Trichlorophenol	73	66	50 - 110	10	20		
2-Chloronaphthalene	80	75	50 - 105	6	20		
2-Nitroaniline	82	76	50 - 115	7	20		
Dimethyl phthalate	77	71	25 - 125	9	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Entact Environmental Services, LLC

Job Number: 560-2525-1

### Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 560-6411

Method: 8270C  
Preparation: 3520C

MS Lab Sample ID: 560-2525-2      Analysis Batch: 560-6534  
Client Matrix: Water      Prep Batch: 560-6411  
Dilution: 1.0  
Date Analyzed: 11/15/2006 1906  
Date Prepared: 11/13/2006 0817

Instrument ID: Agilent GCMS [Method  
Lab File ID: 11150606.D  
Initial Weight/Volume: 1000 mL  
Final Weight/Volume: 1 mL  
Injection Volume:

MSD Lab Sample ID: 560-2525-2      Analysis Batch: 560-6534  
Client Matrix: Water      Prep Batch: 560-6411  
Dilution: 1.0  
Date Analyzed: 11/15/2006 1934  
Date Prepared: 11/13/2006 0817

Instrument ID: Agilent GCMS [Method 827  
Lab File ID: 11150607.D  
Initial Weight/Volume: 1000 mL  
Final Weight/Volume: 1 mL  
Injection Volume:

Analyte	MS	MSD	% Rec.	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Acenaphthylene	83	79		50 - 105	5	20		
2,6-Dinitrotoluene	86	83		50 - 115	3	20		
3-Nitroaniline	78	77		20 - 125	2	20		
Acenaphthene	83	80		45 - 110	4	20		
2,4-Dinitrophenol	75	66		15 - 140	14	20		
4-Nitrophenol	63	56		20 - 120	11	20		
2,4-Dinitrotoluene	83	81		50 - 120	2	20		
Diethyl phthalate	80	74		40 - 120	7	20		
Fluorene	85	81		50 - 110	4	20		
4-Chlorophenyl phenyl ether	84	79		50 - 110	6	20		
4-Nitroaniline	79	70		35 - 120	13	20		
4,6-Dinitro-2-methylphenol	88	82		40 - 130	8	20		
N-Nitrosodiphenylamine	79	76		50 - 110	4	20		
4-Bromophenyl phenyl ether	85	79		50 - 115	7	20		
Hexachlorobenzene	83	77		50 - 110	7	20		
Phenanthrene	85	82		50 - 115	4	20		
Anthracene	86	83		55 - 110	4	20		
Di-n-butyl phthalate	87	81		55 - 115	7	20		
Fluoranthene	85	81		55 - 115	5	20		
Pyrene	90	80		50 - 130	11	20		
Butyl benzyl phthalate	86	78		45 - 115	10	20		
Benzo[a]anthracene	87	80		55 - 110	9	20		
Chrysene	88	81		55 - 110	8	20		
Bis(2-ethylhexyl) phthalate	90	82		40 - 125	9	20		
Di-n-octyl phthalate	86	80		35 - 135	8	20		
Benzo[b]fluoranthene	90	86		45 - 120	5	20		
Benzo[k]fluoranthene	84	78		45 - 125	7	20		
Benzo[a]pyrene	84	79		55 - 110	6	20		
Indeno[1,2,3-cd]pyrene	86	83		45 - 125	4	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Entact Environmental Services, LLC

Job Number: 560-2525-1

### Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 560-6411

Method: 8270C  
Preparation: 3520C

MS Lab Sample ID: 560-2525-2      Analysis Batch: 560-6534  
Client Matrix: Water      Prep Batch: 560-6411  
Dilution: 1.0  
Date Analyzed: 11/15/2006 1906  
Date Prepared: 11/13/2006 0817

Instrument ID: Agilent GCMS [Method  
Lab File ID: 11150606.D  
Initial Weight/Volume: 1000 mL  
Final Weight/Volume: 1 mL  
Injection Volume:

MSD Lab Sample ID: 560-2525-2      Analysis Batch: 560-6534  
Client Matrix: Water      Prep Batch: 560-6411  
Dilution: 1.0  
Date Analyzed: 11/15/2006 1934  
Date Prepared: 11/13/2006 0817

Instrument ID: Agilent GCMS [Method 827  
Lab File ID: 11150607.D  
Initial Weight/Volume: 1000 mL  
Final Weight/Volume: 1 mL  
Injection Volume:

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Dibenz(a,h)anthracene	85	82	40 - 125	4	20		
Benzo[g,h,i]perylene	85	81	40 - 125	4	20		
3,3'-Dichlorobenzidine	66	45	20 - 110	39	20	F	
Pentachlorophenol	83	76	40 - 115	9	20		
N-Nitrosodimethylamine	73	69	25 - 110	5	20		
Benzoic acid	44	38	10 - 121	14	20	J	J
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
2-Fluorophenol	51		47		10 - 120		
Phenol-d5	56		48		12 - 120		
Nitrobenzene-d5	84		80		30 - 120		
2-Fluorobiphenyl	84		78		26 - 120		
2,4,6-Tribromophenol	81		70		25 - 120		
Terphenyl-d14	84		66		10 - 120		

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Entact Environmental Services, LLC

Job Number: 560-2525-1

**Method Blank - Batch: 560-6499**

**Method: 8081A  
Preparation: 3520C**

Lab Sample ID: MB 560-6499/1-AA  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 11/22/2006 1502  
Date Prepared: 11/15/2006 0700

Analysis Batch: 560-6700  
Prep Batch: 560-6499  
Units: ug/L

Instrument ID: Agilent GC [Method 8081]  
Lab File ID: 11220637.D  
Initial Weight/Volume: 1000 mL  
Final Weight/Volume: 10 mL  
Injection Volume:  
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
alpha-BHC	0.0056	U	0.0056	0.050
beta-BHC	0.0056	U	0.0056	0.050
delta-BHC	0.0025	U	0.0025	0.050
Heptachlor	0.010	J	0.0059	0.050
Aldrin	0.0025	U	0.0025	0.050
Heptachlor epoxide	0.0028	U	0.0028	0.050
4,4'-DDE	0.0026	U	0.0026	0.050
Endosulfan I	0.0089	U	0.0089	0.050
Dieldrin	0.0083	U	0.0083	0.050
Endrin	0.0025	U	0.0025	0.050
4,4'-DDD	0.0029	U	0.0029	0.050
Endosulfan II	0.0035	U	0.0035	0.050
4,4'-DDT	0.0034	U	0.0034	0.050
Methoxychlor	0.023	U	0.023	0.050
Endosulfan sulfate	0.0039	U	0.0039	0.050
Endrin ketone	0.0073	U	0.0073	0.050
Chlordane (technical)	0.050	U	0.050	0.50
Toxaphene	0.50	U	0.50	5.0
gamma-BHC (Lindane)	0.0027	U	0.0027	0.050
Surrogate	% Rec	Acceptance Limits		
Tetrachloro-m-xylene	86	57 - 127		
DCB Decachlorobiphenyl	92	10 - 152		

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Entact Environmental Services, LLC

Job Number: 560-2525-1

### Lab Control Spike - Batch: 560-6499

Method: 8081A

Preparation: 3520C

Lab Sample ID: LCS 560-6499/2-AA

Analysis Batch: 560-6700

Instrument ID: Agilent GC [Method 8081]

Client Matrix: Water

Prep Batch: 560-6499

Lab File ID: 11220639.D

Dilution: 1.0

Units: ug/L

Initial Weight/Volume: 1000 mL

Date Analyzed: 11/22/2006 1526

Final Weight/Volume: 10 mL

Date Prepared: 11/15/2006 0700

Injection Volume:

Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
alpha-BHC	0.500	0.617	123	60 - 130	
beta-BHC	0.500	0.600	120	65 - 125	
delta-BHC	0.500	0.585	117	45 - 135	
Heptachlor	0.500	0.574	115	40 - 130	
Aldrin	0.500	0.550	110	25 - 140	
Heptachlor epoxide	0.500	0.595	119	60 - 130	
4,4'-DDE	0.500	0.313	63	35 - 140	
Endosulfan I	0.500	0.582	116	50 - 110	*
Dieldrin	0.500	0.579	116	60 - 130	
Endrin	0.500	0.458	92	55 - 135	
4,4'-DDD	0.500	0.615	123	25 - 150	
Endosulfan II	0.500	0.447	89	30 - 130	
4,4'-DDT	0.500	0.571	114	45 - 140	
Methoxychlor	0.500	0.452	90	55 - 150	
Endosulfan sulfate	0.500	0.558	112	55 - 135	
Endrin ketone	0.500	0.557	111	75 - 125	
gamma-BHC (Lindane)	0.500	0.628	126	25 - 135	
Surrogate		% Rec		Acceptance Limits	
Tetrachloro-m-xylene		84		57 - 127	
DCB Decachlorobiphenyl		69		10 - 152	

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Entact Environmental Services, LLC

Job Number: 560-2525-1

### Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 560-6499

Method: 8081A  
Preparation: 3520C

MS Lab Sample ID: 560-2525-4      Analysis Batch: 560-6700  
Client Matrix: Water      Prep Batch: 560-6499  
Dilution: 1.0  
Date Analyzed: 11/22/2006 2345  
Date Prepared: 11/15/2006 0700

Instrument ID: Agilent GC [Method 8081]  
Lab File ID: 11220681.D  
Initial Weight/Volume: 1000 mL  
Final Weight/Volume: 10 mL  
Injection Volume:  
Column ID: PRIMARY

MSD Lab Sample ID: 560-2525-4      Analysis Batch: 560-6700  
Client Matrix: Water      Prep Batch: 560-6499  
Dilution: 1.0  
Date Analyzed: 11/23/2006 0009  
Date Prepared: 11/15/2006 0700

Instrument ID: Agilent GC [Method 8081]  
Lab File ID: 11220683.D  
Initial Weight/Volume: 1000 mL  
Final Weight/Volume: 10 mL  
Injection Volume:  
Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
alpha-BHC	102	114	60 - 130	12	30		
beta-BHC	104	112	65 - 125	7	30		
delta-BHC	104	117	45 - 135	11	30		
Heptachlor	93	104	40 - 130	11	30		
Aldrin	93	102	25 - 140	9	30		
Heptachlor epoxide	99	108	60 - 130	9	30		
4,4'-DDE	74	78	35 - 140	5	30		
Endosulfan I	95	105	50 - 110	10	30		
Dieldrin	96	109	60 - 130	13	30		
Endrin	104	106	55 - 135	2	30		
4,4'-DDD	112	124	25 - 150	10	30		
Endosulfan II	77	84	30 - 130	9	30		
4,4'-DDT	96	103	45 - 140	7	30		
Methoxychlor	100	101	55 - 150	1	30		
Endosulfan sulfate	102	108	55 - 135	6	30		
Endrin ketone	105	114	75 - 125	9	30		
gamma-BHC (Lindane)	102	115	25 - 135	12	30		
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
Tetrachloro-m-xylene	74		85		57 - 127		
DCB Decachlorobiphenyl	53		59		10 - 152		

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Entact Environmental Services, LLC

Job Number: 560-2525-1

**Method Blank - Batch: 560-6501**

**Method: 8081A**

**Preparation: 3520C**

Lab Sample ID: MB 560-6501/1-AA

Analysis Batch: 560-6735

Instrument ID: Agilent GC [Method 8081]

Client Matrix: Water

Prep Batch: 560-6501

Lab File ID: 11280612.D

Dilution: 1.0

Units: ug/L

Initial Weight/Volume: 1000 mL

Date Analyzed: 11/28/2006 1139

Final Weight/Volume: 10 mL

Date Prepared: 11/16/2006 0723

Injection Volume:

Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
alpha-BHC	0.0056	U	0.0056	0.050
beta-BHC	0.0056	U	0.0056	0.050
delta-BHC	0.0025	U	0.0025	0.050
Heptachlor	0.0059	U	0.0059	0.050
Aldrin	0.0025	U	0.0025	0.050
Heptachlor epoxide	0.0028	U	0.0028	0.050
4,4'-DDE	0.0026	U	0.0026	0.050
Endosulfan I	0.0089	U	0.0089	0.050
Dieldrin	0.0083	U	0.0083	0.050
Endrin	0.0025	U	0.0025	0.050
4,4'-DDD	0.0029	U	0.0029	0.050
Endosulfan II	0.0035	U	0.0035	0.050
4,4'-DDT	0.0034	U	0.0034	0.050
Methoxychlor	0.023	U	0.023	0.050
Endosulfan sulfate	0.0039	U	0.0039	0.050
Endrin ketone	0.0073	U	0.0073	0.050
Chlordane (technical)	0.050	U	0.050	0.50
Toxaphene	0.50	U	0.50	5.0
gamma-BHC (Lindane)	0.0027	U	0.0027	0.050
Surrogate	% Rec		Acceptance Limits	
Tetrachloro-m-xylene	144	X	57 - 127	
DCB Decachlorobiphenyl	77		10 - 152	

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Entact Environmental Services, LLC

Job Number: 560-2525-1

### Lab Control Spike - Batch: 560-6501

Method: 8081A

Preparation: 3520C

Lab Sample ID: LCS 560-6501/2-AA

Analysis Batch: 560-6735

Instrument ID: Agilent GC [Method 8081]

Client Matrix: Water

Prep Batch: 560-6501

Lab File ID: 11280614.D

Dilution: 1.0

Units: ug/L

Initial Weight/Volume: 1000 mL

Date Analyzed: 11/28/2006 1202

Final Weight/Volume: 10 mL

Date Prepared: 11/16/2006 0723

Injection Volume:

Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
alpha-BHC	0.500	0.593	119	60 - 130	
beta-BHC	0.500	0.554	111	65 - 125	
delta-BHC	0.500	0.561	112	45 - 135	
Heptachlor	0.500	0.552	110	40 - 130	
Aldrin	0.500	0.558	112	25 - 140	
Heptachlor epoxide	0.500	0.549	110	60 - 130	
4,4'-DDE	0.500	0.556	111	35 - 140	
Endosulfan I	0.500	0.366	73	50 - 110	
Dieldrin	0.500	0.542	108	60 - 130	
Endrin	0.500	0.493	99	55 - 135	
4,4'-DDD	0.500	0.544	109	25 - 150	
Endosulfan II	0.500	0.406	81	30 - 130	
4,4'-DDT	0.500	0.549	110	45 - 140	
Methoxychlor	0.500	0.494	99	55 - 150	
Endosulfan sulfate	0.500	0.551	110	55 - 135	
Endrin ketone	0.500	0.536	107	75 - 125	
gamma-BHC (Lindane)	0.500	0.574	115	25 - 135	
Surrogate		% Rec		Acceptance Limits	
Tetrachloro-m-xylene		118		57 - 127	
DCB Decachlorobiphenyl		85		10 - 152	

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Entact Environmental Services, LLC

Job Number: 560-2525-1

### Method Blank - Batch: 560-6497

Method: 8082

Preparation: 3520C

Lab Sample ID: MB 560-6497/1-AA  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 11/22/2006 2357  
Date Prepared: 11/15/2006 1600

Analysis Batch: 560-6683  
Prep Batch: 560-6497  
Units: ug/L

Instrument ID: Hewlett Packard GC [Meth]  
Lab File ID: 11210653.D  
Initial Weight/Volume: 1000 mL  
Final Weight/Volume: 10 mL  
Injection Volume:  
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor 1016	0.17	U	0.17	0.50
Aroclor 1221	0.17	U	0.17	0.50
Aroclor 1232	0.17	U	0.17	0.50
Aroclor 1242	0.17	U	0.17	0.50
Aroclor 1248	0.17	U	0.17	0.50
Aroclor 1254	0.17	U	0.17	0.50
Aroclor 1260	0.17	U	0.17	0.50
Surrogate	% Rec		Acceptance Limits	
Tetrachloro-m-xylene	78		25 - 140	
DCB Decachlorobiphenyl	89		42 - 133	

### Lab Control Spike - Batch: 560-6497

Method: 8082

Preparation: 3520C

Lab Sample ID: LCS 560-6497/2-AA  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 11/23/2006 0015  
Date Prepared: 11/15/2006 1600

Analysis Batch: 560-6683  
Prep Batch: 560-6497  
Units: ug/L

Instrument ID: Hewlett Packard GC [Meth]  
Lab File ID: 11210654.D  
Initial Weight/Volume: 1000 mL  
Final Weight/Volume: 10 mL  
Injection Volume:  
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor 1016	10.0	10.5	105	50 - 135	
Aroclor 1260	10.0	8.83	88	50 - 135	
Surrogate	% Rec		Acceptance Limits		
Tetrachloro-m-xylene	72		25 - 140		
DCB Decachlorobiphenyl	78		42 - 133		

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Entact Environmental Services, LLC

Job Number: 560-2525-1

### Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 560-6497

Method: 8082  
Preparation: 3520C

MS Lab Sample ID: 560-2525-3      Analysis Batch: 560-6683  
Client Matrix: Water      Prep Batch: 560-6497  
Dilution: 1.0  
Date Analyzed: 11/23/2006 0606  
Date Prepared: 11/15/2006 1600

Instrument ID: Hewlett Packard GC [Met  
Lab File ID: 11210673.D  
Initial Weight/Volume: 1000 mL  
Final Weight/Volume: 10 mL  
Injection Volume:  
Column ID: PRIMARY

MSD Lab Sample ID: 560-2525-3      Analysis Batch: 560-6683  
Client Matrix: Water      Prep Batch: 560-6497  
Dilution: 1.0  
Date Analyzed: 11/23/2006 0624  
Date Prepared: 11/15/2006 1600

Instrument ID: Hewlett Packard GC [Meth:  
Lab File ID: 11210674.D  
Initial Weight/Volume: 1000 mL  
Final Weight/Volume: 10 mL  
Injection Volume:  
Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Aroclor 1016	107	103	50 - 135	4	30		
Aroclor 1260	65	67	50 - 135	4	30		
Surrogate		MS % Rec	MSD % Rec	Acceptance Limits			
Tetrachloro-m-xylene	89	86				25 - 140	
DCB Decachlorobiphenyl	32	X	36	X		42 - 133	

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Entact Environmental Services, LLC

Job Number: 560-2525-1

### Method Blank - Batch: 560-6500

Method: 8082

Preparation: 3520C

Lab Sample ID: MB 560-6500/1-AA  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 11/27/2006 1446  
Date Prepared: 11/15/2006 1700

Analysis Batch: 560-6721  
Prep Batch: 560-6500  
Units: ug/L

Instrument ID: Hewlett Packard GC [Meth]  
Lab File ID: 11270611.D  
Initial Weight/Volume: 1000 mL  
Final Weight/Volume: 10 mL  
Injection Volume:  
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor 1016	0.17	U	0.17	0.50
Aroclor 1221	0.17	U	0.17	0.50
Aroclor 1232	0.17	U	0.17	0.50
Aroclor 1242	0.17	U	0.17	0.50
Aroclor 1248	0.17	U	0.17	0.50
Aroclor 1254	0.17	U	0.17	0.50
Aroclor 1260	0.17	U	0.17	0.50

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	127	25 - 140
DCB Decachlorobiphenyl	75	42 - 133

### Lab Control Spike - Batch: 560-6500

Method: 8082

Preparation: 3520C

Lab Sample ID: LCS 560-6500/2-AA  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 11/27/2006 1504  
Date Prepared: 11/15/2006 1700

Analysis Batch: 560-6721  
Prep Batch: 560-6500  
Units: ug/L

Instrument ID: Hewlett Packard GC [Meth]  
Lab File ID: 11270612.D  
Initial Weight/Volume: 1000 mL  
Final Weight/Volume: 10 mL  
Injection Volume:  
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor 1016	10.0	11.1	111	50 - 135	
Aroclor 1260	10.0	8.97	90	50 - 135	
Surrogate	% Rec			Acceptance Limits	
Tetrachloro-m-xylene	94			25 - 140	
DCB Decachlorobiphenyl	66			42 - 133	

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Entact Environmental Services, LLC

Job Number: 560-2525-1

### Method Blank - Batch: 560-6471

Lab Sample ID: MB 560-6471/1-AA  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 11/15/2006 1939  
Date Prepared: 11/15/2006 1030

Analysis Batch: 560-6502  
Prep Batch: 560-6471  
Units: ug/L

### Method: 6020

Preparation: 3010A  
Dissolved

Instrument ID: Agilent ICPMS  
Lab File ID: N/A  
Initial Weight/Volume: 50 mL  
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Ag	0.10	U	0.10	0.50
As	0.10	U	0.10	0.50
Ba	0.67	J	0.10	5.0
Cd	0.10	U	0.10	0.50
Cr	0.11	U	0.11	2.0
Ni	0.10	U	0.10	0.50
Pb	0.10	U	0.10	0.50
Se	0.10	U	0.10	0.50
Zn	5.0	U	5.0	10

### Method Blank - Batch: 560-6471

Lab Sample ID: MB 560-6471/1-AA  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 11/17/2006 1803  
Date Prepared: 11/15/2006 1030

Analysis Batch: 560-6566  
Prep Batch: 560-6471  
Units: ug/L

### Method: 6020

Preparation: 3010A  
Dissolved

Instrument ID: Agilent ICPMS  
Lab File ID: N/A  
Initial Weight/Volume: 50 mL  
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Ag	0.10	U	0.10	0.50
As	0.10	U	0.10	0.50
Ba	0.44	J	0.10	5.0
Cd	0.10	U	0.10	0.50
Cr	0.11	U	0.11	2.0
Ni	0.17	J	0.10	0.50
Pb	0.13	J	0.10	0.50
Se	0.10	U	0.10	0.50
Zn	5.0	U	5.0	10

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Entact Environmental Services, LLC

Job Number: 560-2525-1

### Lab Control Spike - Batch: 560-6471

**Method: 6020**

**Preparation: 3010A**

**Dissolved**

Lab Sample ID: LCS 560-6471/2-AA

Analysis Batch: 560-6502

Instrument ID: Agilent ICPMS

Client Matrix: Water

Prep Batch: 560-6471

Lab File ID: N/A

Dilution: 10

Units: ug/L

Initial Weight/Volume: 50 mL

Date Analyzed: 11/15/2006 1945

Final Weight/Volume: 50 mL

Date Prepared: 11/15/2006 1030

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Ag	400	493	123	80 - 120	*
As	800	1000	125	80 - 120	*
Ba	800	922	115	80 - 120	
Cd	400	462	116	80 - 120	
Cr	800	981	123	80 - 120	*
Ni	800	1000	125	80 - 120	*
Pb	400	487	122	80 - 120	*
Se	800	966	121	80 - 120	*
Zn	800	950	119	80 - 120	

### Lab Control Spike - Batch: 560-6471

**Method: 6020**

**Preparation: 3010A**

**Dissolved**

Lab Sample ID: LCS 560-6471/2-AA

Analysis Batch: 560-6566

Instrument ID: Agilent ICPMS

Client Matrix: Water

Prep Batch: 560-6471

Lab File ID: N/A

Dilution: 10

Units: ug/L

Initial Weight/Volume: 50 mL

Date Analyzed: 11/17/2006 1809

Final Weight/Volume: 50 mL

Date Prepared: 11/15/2006 1030

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Ag	400	384	96	80 - 120	
As	800	787	98	80 - 120	
Ba	800	726	91	80 - 120	
Cd	400	365	91	80 - 120	
Cr	800	732	92	80 - 120	
Ni	800	767	96	80 - 120	
Pb	400	450	113	80 - 120	
Se	800	773	97	80 - 120	
Zn	800	751	94	80 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Entact Environmental Services, LLC

Job Number: 560-2525-1

### Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 560-6471

Method: 6020  
Preparation: 3010A  
Dissolved

MS Lab Sample ID: 560-2525-1      Analysis Batch: 560-6502  
Client Matrix: Water      Prep Batch: 560-6471  
Dilution: 10  
Date Analyzed: 11/15/2006 1957  
Date Prepared: 11/15/2006 1030

Instrument ID: Agilent ICPMS  
Lab File ID: N/A  
Initial Weight/Volume: 50 mL  
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 560-2525-1      Analysis Batch: 560-6502  
Client Matrix: Water      Prep Batch: 560-6471  
Dilution: 10  
Date Analyzed: 11/15/2006 2003  
Date Prepared: 11/15/2006 1030

Instrument ID: Agilent ICPMS  
Lab File ID: N/A  
Initial Weight/Volume: 50 mL  
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Ag	116	124	80 - 120	7	20		F
As	127	131	80 - 120	3	20	F	F
Ba	101	119	80 - 120	8	20		
Cd	107	117	80 - 120	9	20		
Cr	120	128	80 - 120	7	20		F
Ni	121	130	80 - 120	7	20	F	F
Pb	117	124	80 - 120	6	20		F
Se	124	130	80 - 120	4	20	F	F
Zn	121	126	80 - 120	4	20	F	F

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Entact Environmental Services, LLC

Job Number: 560-2525-1

### Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 560-6471

**Method: 6020**

**Preparation: 3010A**

**Dissolved**

MS Lab Sample ID: 560-2525-1      Analysis Batch: 560-6566  
Client Matrix: Water      Prep Batch: 560-6471  
Dilution: 10  
Date Analyzed: 11/17/2006 1821  
Date Prepared: 11/15/2006 1030

Instrument ID: Agilent ICPMS  
Lab File ID: N/A  
Initial Weight/Volume: 50 mL  
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 560-2525-1      Analysis Batch: 560-6566  
Client Matrix: Water      Prep Batch: 560-6471  
Dilution: 10  
Date Analyzed: 11/17/2006 1827  
Date Prepared: 11/15/2006 1030

Instrument ID: Agilent ICPMS  
Lab File ID: N/A  
Initial Weight/Volume: 50 mL  
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Ag	86	80	80 - 120	8	20		
As	86	78	80 - 120	9	20		F
Ba	103	86	80 - 120	11	20		
Cd	82	74	80 - 120	10	20		F
Cr	78	71	80 - 120	9	20	F	F
Ni	82	75	80 - 120	9	20		F
Pb	105	95	80 - 120	10	20		
Se	85	77	80 - 120	10	20		F
Zn	94	76	80 - 120	21	20		F

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Entact Environmental Services, LLC

Job Number: 560-2525-1

### Method Blank - Batch: 560-6372

Lab Sample ID: MB 560-6372/3-AA  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 11/13/2006 1502  
Date Prepared: 11/13/2006 1000

Analysis Batch: 560-6394  
Prep Batch: 560-6372  
Units: mg/L

**Method: 7470A**  
**Preparation: 7470A**  
**Dissolved**

Instrument ID: Mercury Analyzer Leeman ·  
Lab File ID: N/A  
Initial Weight/Volume: 50 mL  
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Hg	0.00013	U	0.00013	0.0020

### Lab Control Spike - Batch: 560-6372

Lab Sample ID: LCS 560-6372/4-AA  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 11/13/2006 1504  
Date Prepared: 11/13/2006 1000

Analysis Batch: 560-6394  
Prep Batch: 560-6372  
Units: mg/L

**Method: 7470A**  
**Preparation: 7470A**  
**Dissolved**

Instrument ID: Mercury Analyzer Leeman ·  
Lab File ID: N/A  
Initial Weight/Volume: 50 mL  
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Hg	0.00500	0.00589	118	80 - 120	

### Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 560-6372

MS Lab Sample ID: 560-2525-1  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 11/13/2006 1510  
Date Prepared: 11/13/2006 1000

Analysis Batch: 560-6394  
Prep Batch: 560-6372

**Method: 7470A**  
**Preparation: 7470A**  
**Dissolved**

Instrument ID: Mercury Analyzer Leeman ·  
Lab File ID: N/A  
Initial Weight/Volume: 50 mL  
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 560-2525-1  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 11/13/2006 1512  
Date Prepared: 11/13/2006 1000

Analysis Batch: 560-6394  
Prep Batch: 560-6372

Instrument ID: Mercury Analyzer Leeman ·  
Lab File ID: N/A  
Initial Weight/Volume: 50 mL  
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Hg	104	103	80 - 120	1	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

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1.1 - 3.0 2.6 - 3.1 - 3.0  
IR#1 - 2.2 - 1.2 No. 42286  
No. 42286 page 1 of 3

CUSTOMER INFORMATION		PROJECT INFORMATION		NUMBER OF CONTAINERS	ANALYSIS/METHOD REQUEST							
COMPANY: ENTACT	SEND REPORT TO: LIZ SCAGGS	PROJECT NAME/NUMBER: D-1631										
ADDRESS: 3129 Bass Pro Dr		BILLING INFORMATION										
Grapevine, TX 76051		BILL TO:										
PHONE: 912.580.1323		ADDRESS: SAME										
FAX: 912.550.7464		PHONE: Shendan										
SAMPLE NO.	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER	PRESERV.	REMARKS/PRECAUTIONS					
MW-6		11.8.06	0945	wtr	qts VOA	HCL	3	✓				
↓		↓	↓	Ambient	none	6	✓	✓	✓			
MW-6D			1015	plas	HNO <sub>3</sub>	1	-					
↓			↓	qts VOA	HCL	3	✓				Field Filter 0.45 μm	
↓			↓	Ambient	none	6	✓	✓	✓			
MW-31			1150	plas	HNO <sub>3</sub>	1	✓				Field Filter 0.45 μm	
↓		↓	↓	Ambient	none	6	✓	✓	✓			
↓		↓	↓	plas	HNO <sub>3</sub>	1	✓				Field Filter 0.45 μm	
SAMPLER: D. McGough / L. Scaggs	SHIPMENT METHOD: FedEx						AIRBILL NO.: 8552-61625635					
REQUIRED TURNAROUND: <input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HOURS <input type="checkbox"/> 48 HOURS <input type="checkbox"/> 72 HOURS <input type="checkbox"/> 5 DAYS <input type="checkbox"/> 10 DAYS <input checked="" type="checkbox"/> ROUTINE <input type="checkbox"/> OTHER												
1. RELINQUISHED BY: SIGNATURE: <i>Liz</i>	DATE: 11.9.06	2. RELINQUISHED BY: SIGNATURE: <i>FedEx</i>	DATE	3. RELINQUISHED BY: SIGNATURE:	DATE							
PRINTED NAME/COMPANY: ENTACT/L.Scaggs	TIME: 12449	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME							
I. RECEIVED BY: SIGNATURE: <i>FedEx</i>	DATE	2. RECEIVED BY: SIGNATURE: <i>LM</i>	DATE	3. RECEIVED BY: SIGNATURE: <i>111006</i>	DATE							
PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY: <i>SOL</i>	TIME: 0900	PRINTED NAME/COMPANY:	TIME							

RUSH TURNAROUND MAY REQUIRE SURCHARGE 96/30/2006

SEVERN TRENT LABORATORIES, INC.

1733 N. Padre Island Drive  
Corpus Christi, TX 78408  
Phone: (361) 289-2673 / Fax: (361) 289-2471

STL8222-560 (12/02)

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No. 34315

CHAIN OF CUSTODY RECORD pg 2 of 3

CUSTOMER INFORMATION		PROJECT INFORMATION		NUMBER OF CONTAINERS	ANALYSIS/METHOD REQUEST								
COMPANY:		PROJECT NAME/NUMBER:	D1631			VOC	8260B						
SEND REPORT TO:		BILLING INFORMATION				SVOCs	83270A						
ADDRESS:		BILL TO:				PCBs	8081A						
		ADDRESS:				Metals	8082						
PHONE:		PHONE:				Color/B/7470A							
FAX:		FAX:	PO NO:										
SAMPLE NO.	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME			SAMPLE MATRIX	CONTAINER	PRESERV.					
	MW - 39	11.08.06	1308	wtr	VOA	HCl	3	✓					
					Amber	None	6		✓	✓	✓		
					Plas	HNO <sub>3</sub>	1				✓		
	MW - 35		1414		VOA	HCl	3	✓					
					Amber	None	6		✓	✓	✓		
					Plas	HNO <sub>3</sub>	1				✓		
	MW - 37		1530		VOA	HCl	3	✓					
					Amber	None	6		✓	✓	✓		
					Plas	HNO <sub>3</sub>	1				✓		
SAMPLER:			SHIPMENT METHOD:				AIRBILL NO.:						
REQUIRED TURNAROUND* <input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HOURS <input type="checkbox"/> 48 HOURS <input type="checkbox"/> 72 HOURS <input type="checkbox"/> 5 DAYS <input type="checkbox"/> 10 DAYS <input type="checkbox"/> ROUTINE <input type="checkbox"/> OTHER													
1. RELINQUISHED BY:		DATE	2. RELINQUISHED BY:			DATE	3. RELINQUISHED BY:			DATE			
SIGNATURE:			SIGNATURE:		FedEx		SIGNATURE:						
PRINTED NAME/COMPANY:		TIME	PRINTED NAME/COMPANY:			TIME	PRINTED NAME/COMPANY:			TIME			
1. RECEIVED BY:		DATE	2. RECEIVED BY:			DATE	3. RECEIVED BY:			DATE			
SIGNATURE: FedEx			SIGNATURE: MTH			11/10/06	SIGNATURE:						
PRINTED NAME/COMPANY:		TIME	PRINTED NAME/COMPANY:		SL	0730	PRINTED NAME/COMPANY:			TIME			

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STL8222-560 (12/02)

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No. 42285

## CHAIN OF CUSTODY RECORD page 3 of 3

CUSTOMER INFORMATION		PROJECT INFORMATION					NUMBER OF CONTAINERS	ANALYSIS/METHOD REQUEST	LAB JOB NO.
COMPANY:		PROJECT NAME/NUMBER: D-1631							
SEND REPORT TO:		BILLING INFORMATION							
ADDRESS:		BILL TO:							
		ADDRESS:							
PHONE:		PHONE:							
FAX:		PO NO:							
SAMPLE NO.	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER	PRESERV.			
	MW -34	11.8.06	1445	wtr	Voa. Amber Plas	HCl none HNO3			
SAMPLER:		SHIPMENT METHOD:			AIRBILL NO.:				
REQUIRED TURNAROUND* <input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HOURS <input type="checkbox"/> 48 HOURS <input type="checkbox"/> 72 HOURS <input type="checkbox"/> 5 DAYS <input type="checkbox"/> 10 DAYS <input type="checkbox"/> ROUTINE <input type="checkbox"/> OTHER									
1. RELINQUISHED BY:	DATE	2. RELINQUISHED BY:			DATE	3. RELINQUISHED BY:			
SIGNATURE:		SIGNATURE: FedEx				SIGNATURE:			
PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:			TIME	PRINTED NAME/COMPANY:			
1. RECEIVED BY:	DATE	2. RECEIVED BY:			DATE	3. RECEIVED BY:			
SIGNATURE: FedEx		SIGNATURE: Mo M			11/06	SIGNATURE:			
PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY: CS			11/06	PRINTED NAME/COMPANY:			

SEVERN TRENT LABORATORIES, INC.

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 Corpus Christi, TX 78408  
 Phone: (361) 289-2673 / Fax: (361) 289-2471

STL8222-560 (12/02)

## LOGIN SAMPLE RECEIPT CHECK LIST

Client: Entact Environmental Services, LLC

Job Number: 560-2525-1

**Login Number: 2525**

Question	T/F/NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	NA	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.1, -3.3, 2.8, -3.1, -3.0, -2.2, -1.2 None Frozen
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	False	One Trip blank vial received broken
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

## ANALYTICAL REPORT

Job Number: 560-2534-1

Job Description: D1631 Sheridan Superfund

For:  
Entact Environmental Services, LLC  
3129 Bass Pro Drive  
Grapevine, TX 76051

Attention: Ms. Liz Scaggs

*Olga Veronica McDonald*

---

Olga McDonald  
Project Manager I  
omcdonald@stl-inc.com  
11/30/2006

Project Manager: Olga McDonald

The test results entered in this report meet all NELAC requirements for accredited parameters. Any exceptions to NELAC requirements are noted in the report. Pursuant to NELAC, this report may not be reproduced except in full, and with written approval from the laboratory. STL Corpus Christi Certifications and Approvals: NELAC TX T104704210-06-TX, NELAC KS E-10362, NELAC LA 03034, Oklahoma 9968, USDA Soil Permit S-42935 Revised.

## Case Narrative for job: 560-J2534-1

Client: Entact Environmental Services, LLC  
Date: 12/06/2006

### Sample Receipt and Login

During the sample receipt and login process it was noted that 1 of 7 coolers were received at 0.0 degrees C; however, it was not frozen. In addition, another cooler was received at 10.1 degree C and the project manager was notified. The project manager notified the client who request STL Corpus Christi proceed with analysis.

### Total Metals Analysis

Samples 560-2534-1 through 8 were analyzed for total metals using EPA Method 6020 in batch 560-6502. The percent recovery results for the laboratory control standard associated with this batch and samples 1 thorough 7 were slightly above the DOD acceptance criteria; however, they were within method 6020 limits. The data are therefore reported.

### Polychlorinated Biphenyl (PCB) Analysis

Sample 560-2534-4 was analyzed for polychlorinated biphenyls using EPA Method 8082 in batch 560-6514. Due to a limited amount of sample available for analysis no matrix spike or matrix spike duplicate was analyzed with this batch, however a LCS/LCD pair was analyzed. The data are therefore reported.

In addition,

The percent recovery results for the surrogates associated with samples 4, LCS, LCD, and MD were below the acceptance criteria for decachlorobiphenyl; however, tetrachloro-m-xylene was within acceptable limits. The data are therefore reported. Furthermore, a continuing calibration verification (CCV) associated with this batch was above the acceptance criteria for some analytes; however, none of the affected target compounds were detected in the samples. The data are therefore reported.

Samples 560-2534-1 through 3 and 5 through 8 were analyzed for polychlorinated biphenyls using EPA Method 8082 in batch 560-6721. The percent recovery results for the surrogates associated with samples 1 through 3 and 5 through 8 were below the acceptance criteria for decachlorobiphenyl; however, tetrachloro-m-xylene was within acceptable limits. The method blank and laboratory control standard were within acceptable limits and the data are therefore reported.

### Organochlorine Pesticide Analysis

Samples 560-2534-4, 5, 7, and MB were analyzed for organochlorine pesticides using EPA Method 8081A in batch 560-6700 and 560-6735. The percent recovery result for the laboratory control standard associated with this batch and samples 4 was slightly above the acceptance criteria for endosulfan I. Therefore, sample results could be biased high; however, endosulfan I was not detected in sample 4. The data are therefore reported. The percent recovery results for the surrogates associated with the method blank and samples 5 and 7 were above the acceptance criteria for tetrachloro-m-xylene; however, decachlorobiphenyl was within acceptable limits. The method blank and laboratory control standard were within acceptable limits and the data are therefore reported.

## EXECUTIVE SUMMARY - Detections

Client: Entact Environmental Services, LLC

Job Number: 560-2534-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
<b>560-2534-1 R2-A UP RIVER</b>					
Acetone		1.9	J	100	ug/L
Toluene		0.28	J	5.0	ug/L
<i>Dissolved</i>					
As		4.2	J *	5.0	ug/L
Ba		120	B	50	ug/L
Ni		1.8	J *	5.0	ug/L
<b>560-2534-2 R2-B UP RIVER</b>					
Bis(2-ethylhexyl) phthalate		290		50	ug/L
<i>Dissolved</i>					
As		4.1	J *	5.0	ug/L
Ba		120	B	50	ug/L
<b>560-2534-3 R2-C UP RIVER</b>					
Acetone		3.3	J	100	ug/L
<i>Dissolved</i>					
As		4.6	J *	5.0	ug/L
Ba		130	B	50	ug/L
Ni		1.8	J *	5.0	ug/L
<b>560-2534-4 R2-D UP RIVER</b>					
<i>Dissolved</i>					
As		5.4	*	5.0	ug/L
Ba		140	B	50	ug/L
Cr		1.8	J B	20	ug/L
Ni		2.0	J *	5.0	ug/L
<b>560-2534-5 R1-D ADJACENT</b>					
Bis(2-ethylhexyl) phthalate		2.7	J	10	ug/L
<i>Dissolved</i>					
As		4.0	J *	5.0	ug/L
Ba		110	B	50	ug/L

## EXECUTIVE SUMMARY - Detections

Client: Entact Environmental Services, LLC

Job Number: 560-2534-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
560-2534-6	<b>R1-C ADJACENT</b>				
<i>Dissolved</i>					
As	3.6	J *	5.0	ug/L	6020
Ba	100	B	50	ug/L	6020
Hg	0.00013	J	0.0020	mg/L	7470A
560-2534-7	<b>R1-B ADJACENT</b>				
<i>Dissolved</i>					
As	3.6	J *	5.0	ug/L	6020
Ba	100	B	50	ug/L	6020
560-2534-8	<b>R1-A ADJACENT</b>				
<i>Dissolved</i>					
Acetone	1.8	J	100	ug/L	8260B
As	3.1	J *	5.0	ug/L	6020
Ba	98	B	50	ug/L	6020
Hg	0.00015	J	0.0020	mg/L	7470A
560-2534-9TB	<b>TRIP BLANK</b>				
Methylene Chloride	0.72	J B	50	ug/L	8260B

## METHOD SUMMARY

Client: Entact Environmental Services, LLC

Job Number: 560-2534-1

Description	Lab Location	Method	Preparation Method
<b>Matrix: Water</b>			
Volatile Organic Compounds by GC/MS Purge-and-Trap	STL CC STL CC	SW846 8260B SW846 5030B	
Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) Continuous Liquid-Liquid Extraction	STL CC STL CC	SW846 8270C SW846 3520C	
Organochlorine Pesticides by Gas Chromatography Continuous Liquid-Liquid Extraction/Shared Prep	STL CC STL CC	SW846 8081A SW846 3520C	
Polychlorinated Biphenyls (PCBs) by Gas Chromatography Continuous Liquid-Liquid Extraction/Shared Prep	STL CC STL CC	SW846 8082 SW846 3520C	
Inductively Coupled Plasma - Mass Spectrometry Acid Digestion of Aqueous Samples and Extracts Sample Filtration performed in the Field	STL CC STL CC STL CC	SW846 6020 SW846 3010A FIELD_FLTRD	
Mercury in Liquid Waste (Manual Cold Vapor Technique) Mercury in Liquid Waste (Manual Cold Vapor Sample Filtration performed in the Field)	STL CC STL CC STL CC	SW846 7470A SW846 7470A FIELD_FLTRD	

### LAB REFERENCES:

STL CC = STL Corpus Christi

### METHOD REFERENCES:

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986  
And Its Updates.

## METHOD / ANALYST SUMMARY

Client: Entact Environmental Services, LLC

Job Number: 560-2534-1

Method	Analyst	Analyst ID
SW846 8260B	Michalk, Kevin	KRM
SW846 8270C	Craig, Bronson	BC
SW846 8081A	Williams, Sharon	SEW
SW846 8082	Williams, Sharon	SEW
SW846 6020	Mathewson, John E	JEM
SW846 6020	Theriault, Ray	RT
SW846 7470A	Theriault, Ray	RT

## SAMPLE SUMMARY

Client: Entact Environmental Services, LLC

Job Number: 560-2534-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
560-2534-1	R2-A UP RIVER	Water	11/09/2006 1000	11/10/2006 0920
560-2534-2	R2-B UP RIVER	Water	11/09/2006 1020	11/10/2006 0920
560-2534-3	R2-C UP RIVER	Water	11/09/2006 1040	11/10/2006 0920
560-2534-4	R2-D UP RIVER	Water	11/09/2006 1100	11/10/2006 0920
560-2534-5	R1-D ADJACENT	Water	11/09/2006 1225	11/10/2006 0920
560-2534-6	R1-C ADJACENT	Water	11/09/2006 1245	11/10/2006 0920
560-2534-7	R1-B ADJACENT	Water	11/09/2006 1315	11/10/2006 0920
560-2534-8	R1-A ADJACENT	Water	11/09/2006 1325	11/10/2006 0920
560-2534-9TB	TRIP BLANK	Water	11/09/2006 0000	11/10/2006 0920

# **SAMPLE RESULTS**

Ms. Liz Scaggs  
 Entact Environmental Services, LLC  
 3129 Bass Pro Drive  
 Grapevine, TX 76051

Job Number: 560-2534-1

Client Sample ID: R2-A UP RIVER  
 Lab Sample ID: 560-2534-1

Date Sampled: 11/09/2006 1000  
 Date Received: 11/10/2006 0920  
 Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: 8260B</b>	Date Analyzed:	11/13/2006 1650			
<b>Prep Method: 5030B</b>	Date Prepared:	11/13/2006 1650			
Chloromethane	0.39	U	ug/L	0.39	5.0
Vinyl chloride	0.20	U	ug/L	0.20	5.0
Bromomethane	0.39	U	ug/L	0.39	5.0
Chloroethane	0.40	U	ug/L	0.40	5.0
1,1-Dichloroethene	0.20	U	ug/L	0.20	5.0
Carbon disulfide	0.20	U	ug/L	0.20	5.0
Methylene Chloride	0.53	U	ug/L	0.53	50
Acetone	1.9	J	ug/L	0.46	100
trans-1,2-Dichloroethene	0.20	U	ug/L	0.20	5.0
1,1-Dichloroethane	0.20	U	ug/L	0.20	5.0
Vinyl acetate	0.20	U	ug/L	0.20	5.0
Chloroform	0.20	U	ug/L	0.20	5.0
Carbon tetrachloride	0.25	U	ug/L	0.25	5.0
1,1,1-Trichloroethane	0.20	U	ug/L	0.20	5.0
Benzene	0.20	U	ug/L	0.20	5.0
Trichloroethene	0.32	U	ug/L	0.32	5.0
1,2-Dichloropropane	0.20	U	ug/L	0.20	5.0
Bromodichloromethane	0.20	U	ug/L	0.20	5.0
cis-1,3-Dichloropropene	0.20	U	ug/L	0.20	5.0
Toluene	0.28	J	ug/L	0.20	5.0
methyl isobutyl ketone	0.20	U	ug/L	0.20	5.0
trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	5.0
Tetrachloroethene	0.20	U	ug/L	0.20	5.0
1,1,2-Trichloroethane	0.20	U	ug/L	0.20	5.0
Chlorodibromomethane	0.22	U	ug/L	0.22	5.0
2-Hexanone	0.50	U	ug/L	0.50	5.0
Chlorobenzene	0.20	U	ug/L	0.20	5.0
Ethylbenzene	0.20	U	ug/L	0.20	5.0
Bromoform	0.50	U	ug/L	0.50	5.0
Styrene	0.50	U	ug/L	0.50	5.0
1,1,2,2-Tetrachloroethane	0.20	U	ug/L	0.20	5.0
Methyl Ethyl Ketone	0.47	U	ug/L	0.47	5.0
Xylenes, Total	0.90	U	ug/L	0.90	15
Surrogate				Acceptance Limits	
Dibromofluoromethane (Surr)	99	%		80 - 120	
1,2-Dichloroethane-d4 (Surr)	100	%		70 - 120	
Toluene-d8 (Surr)	91	%		80 - 120	
4-Bromofluorobenzene (Surr)	97	%		75 - 120	

Ms. Liz Scaggs  
Entact Environmental Services, LLC  
3129 Bass Pro Drive  
Grapevine, TX 76051

Job Number: 560-2534-1

Client Sample ID: R2-A UP RIVER  
Lab Sample ID: 560-2534-1

Date Sampled: 11/09/2006 1000  
Date Received: 11/10/2006 0920  
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: 8270C</b>	Date Analyzed:	11/16/2006 0016			
<b>Prep Method: 3520C</b>	Date Prepared:	11/13/2006 0817			
Phenol	0.50	U	ug/L	0.50	10
Bis(2-chloroethyl)ether	0.71	U	ug/L	0.71	10
2-Chlorophenol	0.50	U	ug/L	0.50	10
1,3-Dichlorobenzene	0.53	U	ug/L	0.53	10
1,4-Dichlorobenzene	0.74	U	ug/L	0.74	10
Benzyl alcohol	1.4	U	ug/L	1.4	20
1,2-Dichlorobenzene	0.50	U	ug/L	0.50	10
2-Methylphenol	0.50	U	ug/L	0.50	10
Bis(2-chloroisopropyl) ether	0.57	U	ug/L	0.57	10
3 & 4 Methylphenol	0.88	U	ug/L	0.88	10
N-Nitrosodi-n-propylamine	0.65	U	ug/L	0.65	10
Hexachloroethane	0.58	U	ug/L	0.58	10
Nitrobenzene	0.50	U	ug/L	0.50	10
2-Nitrophenol	0.50	U	ug/L	0.50	10
2,4-Dimethylphenol	0.56	U	ug/L	0.56	10
Bis(2-chloroethoxy)methane	0.59	U	ug/L	0.59	10
2,4-Dichlorophenol	0.50	U	ug/L	0.50	10
1,2,4-Trichlorobenzene	0.59	U	ug/L	0.59	10
Naphthalene	0.50	U	ug/L	0.50	10
4-Chloroaniline	0.50	U	ug/L	0.50	10
Hexachlorobutadiene	0.50	U	ug/L	0.50	10
4-Chloro-3-methylphenol	0.50	U	ug/L	0.50	10
2-Methylnaphthalene	0.50	U	ug/L	0.50	10
Hexachlorocyclopentadiene	20	U	ug/L	20	50
2,4,6-Trichlorophenol	0.50	U	ug/L	0.50	10
2,4,5-Trichlorophenol	0.50	U	ug/L	0.50	10
2-Chloronaphthalene	0.50	U	ug/L	0.50	10
2-Nitroaniline	5.0	U	ug/L	5.0	50
Dimethyl phthalate	0.55	U	ug/L	0.55	10
Acenaphthylene	0.50	U	ug/L	0.50	10
2,6-Dinitrotoluene	0.52	U	ug/L	0.52	10
3-Nitroaniline	1.8	U	ug/L	1.8	50
Acenaphthene	0.57	U	ug/L	0.57	10
2,4-Dinitrophenol	20	U	ug/L	20	50
4-Nitrophenol	10	U	ug/L	10	50
2,4-Dinitrotoluene	5.0	U	ug/L	5.0	10
Diethyl phthalate	0.52	U	ug/L	0.52	10
Fluorene	0.61	U	ug/L	0.61	10
4-Chlorophenyl phenyl ether	0.52	U	ug/L	0.52	10
4-Nitroaniline	1.5	U	ug/L	1.5	50

Ms. Liz Scaggs  
 Entact Environmental Services, LLC  
 3129 Bass Pro Drive  
 Grapevine, TX 76051

Job Number: 560-2534-1

**Client Sample ID:** R2-A UP RIVER  
**Lab Sample ID:** 560-2534-1

Date Sampled: 11/09/2006 1000  
 Date Received: 11/10/2006 0920  
 Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method:</b> 8270C	Date Analyzed:	11/16/2006 0016			
<b>Prep Method:</b> 3520C	Date Prepared:	11/13/2006 0817			
4,6-Dinitro-2-methylphenol	5.0	ug/L	5.0	50	1.0
N-Nitrosodiphenylamine	0.51	ug/L	0.51	10	1.0
4-Bromophenyl phenyl ether	0.74	ug/L	0.74	10	1.0
Hexachlorobenzene	0.65	ug/L	0.65	10	1.0
Phenanthrene	0.51	ug/L	0.51	10	1.0
Anthracene	0.50	ug/L	0.50	10	1.0
Di-n-butyl phthalate	0.50	ug/L	0.50	10	1.0
Fluoranthene	0.50	ug/L	0.50	10	1.0
Pyrene	0.50	ug/L	0.50	10	1.0
Butyl benzyl phthalate	0.50	ug/L	0.50	10	1.0
Benzo[a]anthracene	0.50	ug/L	0.50	10	1.0
Chrysene	0.50	ug/L	0.50	10	1.0
Bis(2-ethylhexyl) phthalate	1.9	ug/L	1.9	10	1.0
Di-n-octyl phthalate	5.0	ug/L	5.0	10	1.0
Benzo[b]fluoranthene	0.50	ug/L	0.50	10	1.0
Benzo[k]fluoranthene	0.50	ug/L	0.50	10	1.0
Benzo[a]pyrene	0.50	ug/L	0.50	10	1.0
Indeno[1,2,3-cd]pyrene	0.50	ug/L	0.50	10	1.0
Dibenz(a,h)anthracene	0.50	ug/L	0.50	10	1.0
Benzo[g,h,i]perylene	0.50	ug/L	0.50	10	1.0
3,3'-Dichlorobenzidine	5.0	ug/L	5.0	20	1.0
Pentachlorophenol	5.0	ug/L	5.0	50	1.0
N-Nitrosodimethylamine	1.3	ug/L	1.3	10	1.0
Benzoic acid	20	ug/L	20	50	1.0
<hr/>					
Surrogate				Acceptance Limits	
2-Fluorophenol	36	%		10 - 120	
Phenol-d5	42	%		12 - 120	
Nitrobenzene-d5	75	%		30 - 120	
2-Fluorobiphenyl	70	%		26 - 120	
2,4,6-Tribromophenol	49	%		25 - 120	
Terphenyl-d14	38	%		10 - 120	
<hr/>					
<b>Method:</b> 8081A	Date Analyzed:	11/28/2006 1314			
<b>Prep Method:</b> 3520C	Date Prepared:	11/16/2006 0723			
alpha-BHC	0.0056	ug/L	0.0056	0.050	1.0
beta-BHC	0.0056	ug/L	0.0056	0.050	1.0
delta-BHC	0.0025	ug/L	0.0025	0.050	1.0
Heptachlor	0.0059	ug/L	0.0059	0.050	1.0
Aldrin	0.0025	ug/L	0.0025	0.050	1.0

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 Entact Environmental Services, LLC  
 3129 Bass Pro Drive  
 Grapevine, TX 76051

Job Number: 560-2534-1

**Client Sample ID:** R2-A UP RIVER  
**Lab Sample ID:** 560-2534-1

Date Sampled: 11/09/2006 1000  
 Date Received: 11/10/2006 0920  
 Client Matrix: Water

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
<b>Method: 8081A</b>	Date Analyzed:	11/28/2006 1314				
<b>Prep Method: 3520C</b>	Date Prepared:	11/16/2006 0723				
Heptachlor epoxide	0.0028	U	ug/L	0.0028	0.050	1.0
4,4'-DDE	0.0026	U	ug/L	0.0026	0.050	1.0
Endosulfan I	0.0089	U	ug/L	0.0089	0.050	1.0
Dieldrin	0.0083	U	ug/L	0.0083	0.050	1.0
Endrin	0.0025	U	ug/L	0.0025	0.050	1.0
4,4'-DDD	0.0029	U	ug/L	0.0029	0.050	1.0
Endosulfan II	0.0035	U	ug/L	0.0035	0.050	1.0
4,4'-DDT	0.0034	U	ug/L	0.0034	0.050	1.0
Methoxychlor	0.023	U	ug/L	0.023	0.050	1.0
Endosulfan sulfate	0.0039	U	ug/L	0.0039	0.050	1.0
Endrin ketone	0.0073	U	ug/L	0.0073	0.050	1.0
Chlordane (technical)	0.050	U	ug/L	0.050	0.50	1.0
Toxaphene	0.50	U	ug/L	0.50	5.0	1.0
gamma-BHC (Lindane)	0.0027	U	ug/L	0.0027	0.050	1.0
Surrogate					Acceptance Limits	
Tetrachloro-m-xylene	120		%		57 - 127	
DCB Decachlorobiphenyl	25		%		10 - 152	
<b>Method: 8082</b>	Date Analyzed:	11/27/2006 1557				
<b>Prep Method: 3520C</b>	Date Prepared:	11/15/2006 1700				
Aroclor 1016	0.17	U	ug/L	0.17	0.50	1.0
Aroclor 1221	0.17	U	ug/L	0.17	0.50	1.0
Aroclor 1232	0.17	U	ug/L	0.17	0.50	1.0
Aroclor 1242	0.17	U	ug/L	0.17	0.50	1.0
Aroclor 1248	0.17	U	ug/L	0.17	0.50	1.0
Aroclor 1254	0.17	U	ug/L	0.17	0.50	1.0
Aroclor 1260	0.17	U	ug/L	0.17	0.50	1.0
Surrogate					Acceptance Limits	
Tetrachloro-m-xylene	90		%		25 - 140	
DCB Decachlorobiphenyl	24	X	%		42 - 133	
<b>Method: DISS-6020</b>	Date Analyzed:	11/15/2006 2112				
<b>Prep Method: 3010A</b>	Date Prepared:	11/15/2006 1030				
Ag	1.0	U *	ug/L	1.0	5.0	10
As	4.2	J *	ug/L	1.0	5.0	10
Ba	120	B	ug/L	1.0	50	10
Cd	1.0	U	ug/L	1.0	5.0	10

Ms. Liz Scaggs  
Entact Environmental Services, LLC  
3129 Bass Pro Drive  
Grapevine, TX 76051

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Client Sample ID: R2-A UP RIVER  
Lab Sample ID: 560-2534-1

Date Sampled: 11/09/2006 1000  
Date Received: 11/10/2006 0920  
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: DISS-6020</b>	Date Analyzed:	11/15/2006 2112			
<b>Prep Method: 3010A</b>	Date Prepared:	11/15/2006 1030			
Cr	1.1	ug/L	1.1	20	10
Ni	1.8	ug/L	1.0	5.0	10
Pb	1.0	ug/L	1.0	5.0	10
Se	1.0	ug/L	1.0	5.0	10
Zn	50	ug/L	50	100	10
<b>Method: DISS-7470A</b>	Date Analyzed:	11/13/2006 1527			
<b>Prep Method: 7470A</b>	Date Prepared:	11/13/2006 1000			
Hg	0.00013	U	0.00013	0.0020	1.0

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 Entact Environmental Services, LLC  
 3129 Bass Pro Drive  
 Grapevine, TX 76051

Job Number: 560-2534-1

**Client Sample ID:** R2-B UP RIVER  
**Lab Sample ID:** 560-2534-2

Date Sampled: 11/09/2006 1020  
 Date Received: 11/10/2006 0920  
 Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: 8260B</b>	Date Analyzed:	11/13/2006 1715			
<b>Prep Method: 5030B</b>	Date Prepared:	11/13/2006 1715			
Chloromethane	0.39	U	ug/L	0.39	5.0
Vinyl chloride	0.20	U	ug/L	0.20	5.0
Bromomethane	0.39	U	ug/L	0.39	5.0
Chloroethane	0.40	U	ug/L	0.40	5.0
1,1-Dichloroethene	0.20	U	ug/L	0.20	5.0
Carbon disulfide	0.20	U	ug/L	0.20	5.0
Methylene Chloride	0.53	U	ug/L	0.53	50
Acetone	0.46	U	ug/L	0.46	100
trans-1,2-Dichloroethene	0.20	U	ug/L	0.20	5.0
1,1-Dichloroethane	0.20	U	ug/L	0.20	5.0
Vinyl acetate	0.20	U	ug/L	0.20	5.0
Chloroform	0.20	U	ug/L	0.20	5.0
Carbon tetrachloride	0.25	U	ug/L	0.25	5.0
1,1,1-Trichloroethane	0.20	U	ug/L	0.20	5.0
Benzene	0.20	U	ug/L	0.20	5.0
Trichloroethene	0.32	U	ug/L	0.32	5.0
1,2-Dichloropropane	0.20	U	ug/L	0.20	5.0
Bromodichloromethane	0.20	U	ug/L	0.20	5.0
cis-1,3-Dichloropropene	0.20	U	ug/L	0.20	5.0
Toluene	0.20	U	ug/L	0.20	5.0
methyl isobutyl ketone	0.20	U	ug/L	0.20	5.0
trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	5.0
Tetrachloroethene	0.20	U	ug/L	0.20	5.0
1,1,2-Trichloroethane	0.20	U	ug/L	0.20	5.0
Chlorodibromomethane	0.22	U	ug/L	0.22	5.0
2-Hexanone	0.50	U	ug/L	0.50	5.0
Chlorobenzene	0.20	U	ug/L	0.20	5.0
Ethylbenzene	0.20	U	ug/L	0.20	5.0
Bromoform	0.50	U	ug/L	0.50	5.0
Styrene	0.50	U	ug/L	0.50	5.0
1,1,2,2-Tetrachloroethane	0.20	U	ug/L	0.20	5.0
Methyl Ethyl Ketone	0.47	U	ug/L	0.47	5.0
Xylenes, Total	0.90	U	ug/L	0.90	15
Surrogate				Acceptance Limits	
Dibromofluoromethane (Surr)	99	%		80 - 120	
1,2-Dichloroethane-d4 (Surr)	101	%		70 - 120	
Toluene-d8 (Surr)	90	%		80 - 120	
4-Bromofluorobenzene (Surr)	98	%		75 - 120	

Ms. Liz Scaggs  
Entact Environmental Services, LLC  
3129 Bass Pro Drive  
Grapevine, TX 76051

Job Number: 560-2534-1

Client Sample ID: R2-B UP RIVER  
Lab Sample ID: 560-2534-2

Date Sampled: 11/09/2006 1020  
Date Received: 11/10/2006 0920  
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: 8270C</b>	Date Analyzed:	11/16/2006 0044			
<b>Prep Method: 3520C</b>	Date Prepared:	11/13/2006 0817			
Phenol	0.50	U	ug/L	0.50	10
Bis(2-chloroethyl)ether	0.71	U	ug/L	0.71	1.0
2-Chlorophenol	0.50	U	ug/L	0.50	1.0
1,3-Dichlorobenzene	0.53	U	ug/L	0.53	1.0
1,4-Dichlorobenzene	0.74	U	ug/L	0.74	1.0
Benzyl alcohol	1.4	U	ug/L	1.4	20
1,2-Dichlorobenzene	0.50	U	ug/L	0.50	1.0
2-Methylphenol	0.50	U	ug/L	0.50	1.0
Bis(2-chloroisopropyl) ether	0.57	U	ug/L	0.57	10
3 & 4 Methylphenol	0.88	U	ug/L	0.88	1.0
N-Nitrosodi-n-propylamine	0.65	U	ug/L	0.65	1.0
Hexachloroethane	0.58	U	ug/L	0.58	1.0
Nitrobenzene	0.50	U	ug/L	0.50	1.0
2-Nitrophenol	0.50	U	ug/L	0.50	1.0
2,4-Dimethylphenol	0.56	U	ug/L	0.56	1.0
Bis(2-chloroethoxy)methane	0.59	U	ug/L	0.59	1.0
2,4-Dichlorophenol	0.50	U	ug/L	0.50	1.0
1,2,4-Trichlorobenzene	0.59	U	ug/L	0.59	1.0
Naphthalene	0.50	U	ug/L	0.50	1.0
4-Chloroaniline	0.50	U	ug/L	0.50	1.0
Hexachlorobutadiene	0.50	U	ug/L	0.50	1.0
4-Chloro-3-methylphenol	0.50	U	ug/L	0.50	1.0
2-Methylnaphthalene	0.50	U	ug/L	0.50	1.0
Hexachlorocyclopentadiene	20	U	ug/L	20	50
2,4,6-Trichlorophenol	0.50	U	ug/L	0.50	1.0
2,4,5-Trichlorophenol	0.50	U	ug/L	0.50	1.0
2-Chloronaphthalene	0.50	U	ug/L	0.50	1.0
2-Nitroaniline	5.0	U	ug/L	5.0	50
Dimethyl phthalate	0.55	U	ug/L	0.55	1.0
Acenaphthylene	0.50	U	ug/L	0.50	1.0
2,6-Dinitrotoluene	0.52	U	ug/L	0.52	1.0
3-Nitroaniline	1.8	U	ug/L	1.8	50
Acenaphthene	0.57	U	ug/L	0.57	1.0
2,4-Dinitrophenol	20	U	ug/L	20	50
4-Nitrophenol	10	U	ug/L	10	50
2,4-Dinitrotoluene	5.0	U	ug/L	5.0	1.0
Diethyl phthalate	0.52	U	ug/L	0.52	1.0
Fluorene	0.61	U	ug/L	0.61	1.0
4-Chlorophenyl phenyl ether	0.52	U	ug/L	0.52	1.0
4-Nitroaniline	1.5	U	ug/L	1.5	50

Ms. Liz Scaggs  
 Entact Environmental Services, LLC  
 3129 Bass Pro Drive  
 Grapevine, TX 76051

Job Number: 560-2534-1

**Client Sample ID:** R2-B UP RIVER  
**Lab Sample ID:** 560-2534-2

Date Sampled: 11/09/2006 1020  
 Date Received: 11/10/2006 0920  
 Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: 8270C</b>	Date Analyzed:	11/16/2006 0044			
<b>Prep Method: 3520C</b>	Date Prepared:	11/13/2006 0817			
4,6-Dinitro-2-methylphenol	5.0	U	ug/L	5.0	50
N-Nitrosodiphenylamine	0.51	U	ug/L	0.51	10
4-Bromophenyl phenyl ether	0.74	U	ug/L	0.74	10
Hexachlorobenzene	0.65	U	ug/L	0.65	10
Phenanthrene	0.51	U	ug/L	0.51	10
Anthracene	0.50	U	ug/L	0.50	10
Di-n-butyl phthalate	0.50	U	ug/L	0.50	10
Fluoranthene	0.50	U	ug/L	0.50	10
Pyrene	0.50	U	ug/L	0.50	10
Butyl benzyl phthalate	0.50	U	ug/L	0.50	10
Benzo[a]anthracene	0.50	U	ug/L	0.50	10
Chrysene	0.50	U	ug/L	0.50	10
Di-n-octyl phthalate	5.0	U	ug/L	5.0	10
Benzo[b]fluoranthene	0.50	U	ug/L	0.50	10
Benzo[k]fluoranthene	0.50	U	ug/L	0.50	10
Benzo[a]pyrene	0.50	U	ug/L	0.50	10
Indeno[1,2,3-cd]pyrene	0.50	U	ug/L	0.50	10
Dibenz(a,h)anthracene	0.50	U	ug/L	0.50	10
Benzo[g,h,i]perylene	0.50	U	ug/L	0.50	10
3,3'-Dichlorobenzidine	5.0	U	ug/L	5.0	20
Pentachlorophenol	5.0	U	ug/L	5.0	50
N-Nitrosodimethylamine	1.3	U	ug/L	1.3	10
Benzoic acid	20	U	ug/L	20	50
Surrogate					
2-Fluorophenol	35		%	10 - 120	Acceptance Limits
Phenol-d5	42		%	12 - 120	
Nitrobenzene-d5	73		%	30 - 120	
2-Fluorobiphenyl	69		%	26 - 120	
2,4,6-Tribromophenol	51		%	25 - 120	
Terphenyl-d14	33		%	10 - 120	
<b>Method: 8270C</b>	Date Analyzed:	11/16/2006 1746			
<b>Prep Method: 3520C</b>	Date Prepared:	11/13/2006 0817			
Bis(2-ethylhexyl) phthalate	290		ug/L	9.5	50
<b>Method: 8081A</b>	Date Analyzed:	11/28/2006 1337			
<b>Prep Method: 3520C</b>	Date Prepared:	11/16/2006 0723			
alpha-BHC	0.0056	U	ug/L	0.0056	0.050
					1.0

Ms. Liz Scaggs  
 Entact Environmental Services, LLC  
 3129 Bass Pro Drive  
 Grapevine, TX 76051

Job Number: 560-2534-1

**Client Sample ID: R2-B UP RIVER**  
**Lab Sample ID: 560-2534-2**

Date Sampled: 11/09/2006 1020  
 Date Received: 11/10/2006 0920  
 Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: 8081A</b>	Date Analyzed:	11/28/2006 1337			
<b>Prep Method: 3520C</b>	Date Prepared:	11/16/2006 0723			
beta-BHC	0.0056	U	ug/L	0.0056	0.050
delta-BHC	0.0025	U	ug/L	0.0025	0.050
Heptachlor	0.0059	U	ug/L	0.0059	0.050
Aldrin	0.0025	U	ug/L	0.0025	0.050
Heptachlor epoxide	0.0028	U	ug/L	0.0028	0.050
4,4'-DDE	0.0026	U	ug/L	0.0026	0.050
Endosulfan I	0.0089	U	ug/L	0.0089	0.050
Dieldrin	0.0083	U	ug/L	0.0083	0.050
Endrin	0.0025	U	ug/L	0.0025	0.050
4,4'-DDD	0.0029	U	ug/L	0.0029	0.050
Endosulfan II	0.0035	U	ug/L	0.0035	0.050
4,4'-DDT	0.0034	U	ug/L	0.0034	0.050
Methoxychlor	0.023	U	ug/L	0.023	0.050
Endosulfan sulfate	0.0039	U	ug/L	0.0039	0.050
Endrin ketone	0.0073	U	ug/L	0.0073	0.050
Chlordane (technical)	0.050	U	ug/L	0.050	0.50
Toxaphene	0.50	U	ug/L	0.50	5.0
gamma-BHC (Lindane)	0.0027	U	ug/L	0.0027	0.050
Surrogate				Acceptance Limits	
Tetrachloro-m-xylene	111	%		57 - 127	
DCB Decachlorobiphenyl	22	%		10 - 152	
<b>Method: 8082</b>	Date Analyzed:	11/27/2006 1615			
<b>Prep Method: 3520C</b>	Date Prepared:	11/15/2006 1700			
Aroclor 1016	0.17	U	ug/L	0.17	0.50
Aroclor 1221	0.17	U	ug/L	0.17	0.50
Aroclor 1232	0.17	U	ug/L	0.17	0.50
Aroclor 1242	0.17	U	ug/L	0.17	0.50
Aroclor 1248	0.17	U	ug/L	0.17	0.50
Aroclor 1254	0.17	U	ug/L	0.17	0.50
Aroclor 1260	0.17	U	ug/L	0.17	0.50
Surrogate				Acceptance Limits	
Tetrachloro-m-xylene	81	%		25 - 140	
DCB Decachlorobiphenyl	20	X	%	42 - 133	
<b>Method: DISS-6020</b>	Date Analyzed:	11/15/2006 2118			
<b>Prep Method: 3010A</b>	Date Prepared:	11/15/2006 1030			

Ms. Liz Scaggs  
Entact Environmental Services, LLC  
3129 Bass Pro Drive  
Grapevine, TX 76051

Job Number: 560-2534-1

Client Sample ID: R2-B UP RIVER  
Lab Sample ID: 560-2534-2

Date Sampled: 11/09/2006 1020  
Date Received: 11/10/2006 0920  
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: DISS-6020</b>	Date Analyzed:	11/15/2006 2118			
<b>Prep Method: 3010A</b>	Date Prepared:	11/15/2006 1030			
Ag	1.0	U *	ug/L	1.0	5.0
As	4.1	J *	ug/L	1.0	5.0
Ba	120	B	ug/L	1.0	50
Cd	1.0	U	ug/L	1.0	5.0
Cr	1.1	U *	ug/L	1.1	20
Ni	1.0	U *	ug/L	1.0	5.0
Pb	1.0	U *	ug/L	1.0	5.0
Se	1.0	U *	ug/L	1.0	5.0
Zn	50	U	ug/L	50	100
<b>Method: DISS-7470A</b>	Date Analyzed:	11/13/2006 1535			
<b>Prep Method: 7470A</b>	Date Prepared:	11/13/2006 1000			
Hg	0.00013	U	mg/L	0.00013	0.0020

Ms. Liz Scaggs  
 Entact Environmental Services, LLC  
 3129 Bass Pro Drive  
 Grapevine, TX 76051

Job Number: 560-2534-1

**Client Sample ID:** R2-C UP RIVER  
**Lab Sample ID:** 560-2534-3

Date Sampled: 11/09/2006 1040  
 Date Received: 11/10/2006 0920  
 Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: 8260B</b>	Date Analyzed:	11/13/2006 1739			
<b>Prep Method: 5030B</b>	Date Prepared:	11/13/2006 1739			
Chloromethane	0.39	U	ug/L	0.39	5.0
Vinyl chloride	0.20	U	ug/L	0.20	5.0
Bromomethane	0.39	U	ug/L	0.39	5.0
Chloroethane	0.40	U	ug/L	0.40	5.0
1,1-Dichloroethene	0.20	U	ug/L	0.20	5.0
Carbon disulfide	0.20	U	ug/L	0.20	5.0
Methylene Chloride	0.53	U	ug/L	0.53	50
Acetone	3.3	J	ug/L	0.46	100
trans-1,2-Dichloroethene	0.20	U	ug/L	0.20	5.0
1,1-Dichloroethane	0.20	U	ug/L	0.20	5.0
Vinyl acetate	0.20	U	ug/L	0.20	5.0
Chloroform	0.20	U	ug/L	0.20	5.0
Carbon tetrachloride	0.25	U	ug/L	0.25	5.0
1,1,1-Trichloroethane	0.20	U	ug/L	0.20	5.0
Benzene	0.20	U	ug/L	0.20	5.0
Trichloroethene	0.32	U	ug/L	0.32	5.0
1,2-Dichloropropane	0.20	U	ug/L	0.20	5.0
Bromodichloromethane	0.20	U	ug/L	0.20	5.0
cis-1,3-Dichloropropene	0.20	U	ug/L	0.20	5.0
Toluene	0.20	U	ug/L	0.20	5.0
methyl isobutyl ketone	0.20	U	ug/L	0.20	5.0
trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	5.0
Tetrachloroethene	0.20	U	ug/L	0.20	5.0
1,1,2-Trichloroethane	0.20	U	ug/L	0.20	5.0
Chlorodibromomethane	0.22	U	ug/L	0.22	5.0
2-Hexanone	0.50	U	ug/L	0.50	5.0
Chlorobenzene	0.20	U	ug/L	0.20	5.0
Ethylbenzene	0.20	U	ug/L	0.20	5.0
Bromoform	0.50	U	ug/L	0.50	5.0
Styrene	0.50	U	ug/L	0.50	5.0
1,1,2,2-Tetrachloroethane	0.20	U	ug/L	0.20	5.0
Methyl Ethyl Ketone	0.47	U	ug/L	0.47	5.0
Xylenes, Total	0.90	U	ug/L	0.90	15
Surrogate					
Dibromofluoromethane (Surr)	95	%			Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96	%			80 - 120
Toluene-d8 (Surr)	94	%			70 - 120
4-Bromofluorobenzene (Surr)	96	%			80 - 120
					75 - 120

Ms. Liz Scaggs  
Entact Environmental Services, LLC  
3129 Bass Pro Drive  
Grapevine, TX 76051

Job Number: 560-2534-1

Client Sample ID: R2-C UP RIVER  
Lab Sample ID: 560-2534-3

Date Sampled: 11/09/2006 1040  
Date Received: 11/10/2006 0920  
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: 8270C</b>	Date Analyzed:	11/16/2006 0113			
<b>Prep Method: 3520C</b>	Date Prepared:	11/13/2006 0817			
Phenol	0.50	U	ug/L	0.50	10
Bis(2-chloroethyl)ether	0.71	U	ug/L	0.71	10
2-Chlorophenol	0.50	U	ug/L	0.50	10
1,3-Dichlorobenzene	0.53	U	ug/L	0.53	10
1,4-Dichlorobenzene	0.74	U	ug/L	0.74	10
Benzyl alcohol	1.4	U	ug/L	1.4	20
1,2-Dichlorobenzene	0.50	U	ug/L	0.50	10
2-Methylphenol	0.50	U	ug/L	0.50	10
Bis(2-chloroisopropyl) ether	0.57	U	ug/L	0.57	10
3 & 4 Methylphenol	0.88	U	ug/L	0.88	10
N-Nitrosodi-n-propylamine	0.65	U	ug/L	0.65	10
Hexachloroethane	0.58	U	ug/L	0.58	10
Nitrobenzene	0.50	U	ug/L	0.50	10
2-Nitrophenol	0.50	U	ug/L	0.50	10
2,4-Dimethylphenol	0.56	U	ug/L	0.56	10
Bis(2-chloroethoxy)methane	0.59	U	ug/L	0.59	10
2,4-Dichlorophenol	0.50	U	ug/L	0.50	10
1,2,4-Trichlorobenzene	0.59	U	ug/L	0.59	10
Naphthalene	0.50	U	ug/L	0.50	10
4-Chloroaniline	0.50	U	ug/L	0.50	10
Hexachlorobutadiene	0.50	U	ug/L	0.50	10
4-Chloro-3-methylphenol	0.50	U	ug/L	0.50	10
2-Methylnaphthalene	0.50	U	ug/L	0.50	10
Hexachlorocyclopentadiene	20	U	ug/L	20	50
2,4,6-Trichlorophenol	0.50	U	ug/L	0.50	10
2,4,5-Trichlorophenol	0.50	U	ug/L	0.50	10
2-Chloronaphthalene	0.50	U	ug/L	0.50	10
2-Nitroaniline	5.0	U	ug/L	5.0	50
Dimethyl phthalate	0.55	U	ug/L	0.55	10
Acenaphthylene	0.50	U	ug/L	0.50	10
2,6-Dinitrotoluene	0.52	U	ug/L	0.52	10
3-Nitroaniline	1.8	U	ug/L	1.8	50
Acenaphthene	0.57	U	ug/L	0.57	10
2,4-Dinitrophenol	20	U	ug/L	20	50
4-Nitrophenol	10	U	ug/L	10	50
2,4-Dinitrotoluene	5.0	U	ug/L	5.0	10
Diethyl phthalate	0.52	U	ug/L	0.52	10
Fluorene	0.61	U	ug/L	0.61	10
4-Chlorophenyl phenyl ether	0.52	U	ug/L	0.52	10
4-Nitroaniline	1.5	U	ug/L	1.5	50

Ms. Liz Scaggs  
 Entact Environmental Services, LLC  
 3129 Bass Pro Drive  
 Grapevine, TX 76051

Job Number: 560-2534-1

**Client Sample ID:** R2-C UP RIVER  
**Lab Sample ID:** 560-2534-3

Date Sampled: 11/09/2006 1040  
 Date Received: 11/10/2006 0920  
 Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: 8270C</b>	Date Analyzed:	11/16/2006 0113			
<b>Prep Method: 3520C</b>	Date Prepared:	11/13/2006 0817			
4,6-Dinitro-2-methylphenol	5.0	ug/L	5.0	50	1.0
N-Nitrosodiphenylamine	0.51	ug/L	0.51	10	1.0
4-Bromophenyl phenyl ether	0.74	ug/L	0.74	10	1.0
Hexachlorobenzene	0.65	ug/L	0.65	10	1.0
Phenanthrene	0.51	ug/L	0.51	10	1.0
Anthracene	0.50	ug/L	0.50	10	1.0
Di-n-butyl phthalate	0.50	ug/L	0.50	10	1.0
Fluoranthene	0.50	ug/L	0.50	10	1.0
Pyrene	0.50	ug/L	0.50	10	1.0
Butyl benzyl phthalate	0.50	ug/L	0.50	10	1.0
Benzo[a]anthracene	0.50	ug/L	0.50	10	1.0
Chrysene	0.50	ug/L	0.50	10	1.0
Bis(2-ethylhexyl) phthalate	1.9	ug/L	1.9	10	1.0
Di-n-octyl phthalate	5.0	ug/L	5.0	10	1.0
Benzo[b]fluoranthene	0.50	ug/L	0.50	10	1.0
Benzo[k]fluoranthene	0.50	ug/L	0.50	10	1.0
Benzo[a]pyrene	0.50	ug/L	0.50	10	1.0
Indeno[1,2,3-cd]pyrene	0.50	ug/L	0.50	10	1.0
Dibenz(a,h)anthracene	0.50	ug/L	0.50	10	1.0
Benzo[g,h,i]perylene	0.50	ug/L	0.50	10	1.0
3,3'-Dichlorobenzidine	5.0	ug/L	5.0	20	1.0
Pentachlorophenol	5.0	ug/L	5.0	50	1.0
N-Nitrosodimethylamine	1.3	ug/L	1.3	10	1.0
Benzoic acid	20	ug/L	20	50	1.0

Surrogate			Acceptance Limits
2-Fluorophenol	36	%	10 - 120
Phenol-d5	39	%	12 - 120
Nitrobenzene-d5	72	%	30 - 120
2-Fluorobiphenyl	66	%	26 - 120
2,4,6-Tribromophenol	47	%	25 - 120
Terphenyl-d14	31	%	10 - 120

<b>Method: 8081A</b>	Date Analyzed:	11/28/2006 1411
<b>Prep Method: 3520C</b>	Date Prepared:	11/16/2006 0723
alpha-BHC	0.0056	ug/L
beta-BHC	0.0056	ug/L
delta-BHC	0.0025	ug/L
Heptachlor	0.0059	ug/L
Aldrin	0.0025	ug/L

Ms. Liz Scaggs  
 Entact Environmental Services, LLC  
 3129 Bass Pro Drive  
 Grapevine, TX 76051

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**Client Sample ID:** R2-C UP RIVER  
**Lab Sample ID:** 560-2534-3

Date Sampled: 11/09/2006 1040  
 Date Received: 11/10/2006 0920  
 Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: 8081A</b>	Date Analyzed:	11/28/2006 1411			
<b>Prep Method: 3520C</b>	Date Prepared:	11/16/2006 0723			
Heptachlor epoxide	0.0028	U ug/L	0.0028	0.050	1.0
4,4'-DDE	0.0026	U ug/L	0.0026	0.050	1.0
Endosulfan I	0.0089	U ug/L	0.0089	0.050	1.0
Dieldrin	0.0083	U ug/L	0.0083	0.050	1.0
Endrin	0.0025	U ug/L	0.0025	0.050	1.0
4,4'-DDD	0.0029	U ug/L	0.0029	0.050	1.0
Endosulfan II	0.0035	U ug/L	0.0035	0.050	1.0
4,4'-DDT	0.0034	U ug/L	0.0034	0.050	1.0
Methoxychlor	0.023	U ug/L	0.023	0.050	1.0
Endosulfan sulfate	0.0039	U ug/L	0.0039	0.050	1.0
Endrin ketone	0.0073	U ug/L	0.0073	0.050	1.0
Chlordane (technical)	0.050	U ug/L	0.050	0.50	1.0
Toxaphene	0.50	U ug/L	0.50	5.0	1.0
gamma-BHC (Lindane)	0.0027	U ug/L	0.0027	0.050	1.0
Surrogate				Acceptance Limits	
Tetrachloro-m-xylene	123	%		57 - 127	
DCB Decachlorobiphenyl	24	%		10 - 152	
<b>Method: 8082</b>	Date Analyzed:	11/27/2006 1632			
<b>Prep Method: 3520C</b>	Date Prepared:	11/15/2006 1700			
Aroclor 1016	0.17	U ug/L	0.17	0.50	1.0
Aroclor 1221	0.17	U ug/L	0.17	0.50	1.0
Aroclor 1232	0.17	U ug/L	0.17	0.50	1.0
Aroclor 1242	0.17	U ug/L	0.17	0.50	1.0
Aroclor 1248	0.17	U ug/L	0.17	0.50	1.0
Aroclor 1254	0.17	U ug/L	0.17	0.50	1.0
Aroclor 1260	0.17	U ug/L	0.17	0.50	1.0
Surrogate				Acceptance Limits	
Tetrachloro-m-xylene	93	%		25 - 140	
DCB Decachlorobiphenyl	23	X %		42 - 133	
<b>Method: DISS-6020</b>	Date Analyzed:	11/15/2006 2124			
<b>Prep Method: 3010A</b>	Date Prepared:	11/15/2006 1030			
Ag	1.0	U *	1.0	5.0	10
As	4.6	J *	1.0	5.0	10
Ba	130	B	1.0	50	10
Cd	1.0	U	1.0	5.0	10

Ms. Liz Scaggs  
Entact Environmental Services, LLC  
3129 Bass Pro Drive  
Grapevine, TX 76051

Job Number: 560-2534-1

**Client Sample ID:** R2-C UP RIVER  
**Lab Sample ID:** 560-2534-3

Date Sampled: 11/09/2006 1040  
Date Received: 11/10/2006 0920  
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method:</b> DISS-6020	Date Analyzed:	11/15/2006 2124			
<b>Prep Method:</b> 3010A	Date Prepared:	11/15/2006 1030			
Cr	1.1	U *	ug/L	1.1	20
Ni	1.8	J *	ug/L	1.0	5.0
Pb	1.0	U *	ug/L	1.0	5.0
Se	1.0	U *	ug/L	1.0	5.0
Zn	50	U	ug/L	50	100
<b>Method:</b> DISS-7470A	Date Analyzed:	11/13/2006 1537			
<b>Prep Method:</b> 7470A	Date Prepared:	11/13/2006 1000			
Hg	0.00013	U	mg/L	0.00013	0.0020

Ms. Liz Scaggs  
 Entact Environmental Services, LLC  
 3129 Bass Pro Drive  
 Grapevine, TX 76051

Job Number: 560-2534-1

**Client Sample ID: R2-D UP RIVER**  
**Lab Sample ID: 560-2534-4**

Date Sampled: 11/09/2006 1100  
 Date Received: 11/10/2006 0920  
 Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: 8260B</b>	Date Analyzed:	11/13/2006 1803			
<b>Prep Method: 5030B</b>	Date Prepared:	11/13/2006 1803			
Chloromethane	0.39	U	ug/L	0.39	5.0
Vinyl chloride	0.20	U	ug/L	0.20	5.0
Bromomethane	0.39	U	ug/L	0.39	5.0
Chloroethane	0.40	U	ug/L	0.40	5.0
1,1-Dichloroethene	0.20	U	ug/L	0.20	5.0
Carbon disulfide	0.20	U	ug/L	0.20	5.0
Methylene Chloride	0.53	U	ug/L	0.53	50
Acetone	0.46	U	ug/L	0.46	100
trans-1,2-Dichloroethene	0.20	U	ug/L	0.20	5.0
1,1-Dichloroethane	0.20	U	ug/L	0.20	5.0
Vinyl acetate	0.20	U	ug/L	0.20	5.0
Chloroform	0.20	U	ug/L	0.20	5.0
Carbon tetrachloride	0.25	U	ug/L	0.25	5.0
1,1,1-Trichloroethane	0.20	U	ug/L	0.20	5.0
Benzene	0.20	U	ug/L	0.20	5.0
Trichloroethene	0.32	U	ug/L	0.32	5.0
1,2-Dichloropropane	0.20	U	ug/L	0.20	5.0
Bromodichloromethane	0.20	U	ug/L	0.20	5.0
cis-1,3-Dichloropropene	0.20	U	ug/L	0.20	5.0
Toluene	0.20	U	ug/L	0.20	5.0
methyl isobutyl ketone	0.20	U	ug/L	0.20	5.0
trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	5.0
Tetrachloroethene	0.20	U	ug/L	0.20	5.0
1,1,2-Trichloroethane	0.20	U	ug/L	0.20	5.0
Chlorodibromomethane	0.22	U	ug/L	0.22	5.0
2-Hexanone	0.50	U	ug/L	0.50	5.0
Chlorobenzene	0.20	U	ug/L	0.20	5.0
Ethylbenzene	0.20	U	ug/L	0.20	5.0
Bromoform	0.50	U	ug/L	0.50	5.0
Styrene	0.50	U	ug/L	0.50	5.0
1,1,2,2-Tetrachloroethane	0.20	U	ug/L	0.20	5.0
Methyl Ethyl Ketone	0.47	U	ug/L	0.47	5.0
Xylenes, Total	0.90	U	ug/L	0.90	15
Surrogate				Acceptance Limits	
Dibromofluoromethane (Surr)	97	%		80 - 120	
1,2-Dichloroethane-d4 (Surr)	95	%		70 - 120	
Toluene-d8 (Surr)	92	%		80 - 120	
4-Bromofluorobenzene (Surr)	95	%		75 - 120	

Ms. Liz Scaggs  
Entact Environmental Services, LLC  
3129 Bass Pro Drive  
Grapevine, TX 76051

Job Number: 560-2534-1

Client Sample ID: R2-D UP RIVER  
Lab Sample ID: 560-2534-4

Date Sampled: 11/09/2006 1100  
Date Received: 11/10/2006 0920  
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: 8270C</b>	Date Analyzed:	11/16/2006 0141			
<b>Prep Method: 3520C</b>	Date Prepared:	11/13/2006 0817			
Phenol	0.50	ug/L	0.50	10	1.0
Bis(2-chloroethyl)ether	0.71	ug/L	0.71	10	1.0
2-Chlorophenol	0.50	ug/L	0.50	10	1.0
1,3-Dichlorobenzene	0.53	ug/L	0.53	10	1.0
1,4-Dichlorobenzene	0.74	ug/L	0.74	10	1.0
Benzyl alcohol	1.4	ug/L	1.4	20	1.0
1,2-Dichlorobenzene	0.50	ug/L	0.50	10	1.0
2-Methylphenol	0.50	ug/L	0.50	10	1.0
Bis(2-chloroisopropyl) ether	0.57	ug/L	0.57	10	1.0
3 & 4 Methylphenol	0.88	ug/L	0.88	10	1.0
N-Nitrosodi-n-propylamine	0.65	ug/L	0.65	10	1.0
Hexachloroethane	0.58	ug/L	0.58	10	1.0
Nitrobenzene	0.50	ug/L	0.50	10	1.0
2-Nitrophenol	0.50	ug/L	0.50	10	1.0
2,4-Dimethylphenol	0.56	ug/L	0.56	10	1.0
Bis(2-chloroethoxy)methane	0.59	ug/L	0.59	10	1.0
2,4-Dichlorophenol	0.50	ug/L	0.50	10	1.0
1,2,4-Trichlorobenzene	0.59	ug/L	0.59	10	1.0
Naphthalene	0.50	ug/L	0.50	10	1.0
4-Chloroaniline	0.50	ug/L	0.50	10	1.0
Hexachlorobutadiene	0.50	ug/L	0.50	10	1.0
4-Chloro-3-methylphenol	0.50	ug/L	0.50	10	1.0
2-Methylphthalalene	0.50	ug/L	0.50	10	1.0
Hexachlorocyclopentadiene	20	ug/L	20	50	1.0
2,4,6-Trichlorophenol	0.50	ug/L	0.50	10	1.0
2,4,5-Trichlorophenol	0.50	ug/L	0.50	10	1.0
2-Chloronaphthalene	0.50	ug/L	0.50	10	1.0
2-Nitroaniline	5.0	ug/L	5.0	50	1.0
Dimethyl phthalate	0.55	ug/L	0.55	10	1.0
Acenaphthylene	0.50	ug/L	0.50	10	1.0
2,6-Dinitrotoluene	0.52	ug/L	0.52	10	1.0
3-Nitroaniline	1.8	ug/L	1.8	50	1.0
Acenaphthene	0.57	ug/L	0.57	10	1.0
2,4-Dinitrophenol	20	ug/L	20	50	1.0
4-Nitrophenol	10	ug/L	10	50	1.0
2,4-Dinitrotoluene	5.0	ug/L	5.0	10	1.0
Diethyl phthalate	0.52	ug/L	0.52	10	1.0
Fluorene	0.61	ug/L	0.61	10	1.0
4-Chlorophenyl phenyl ether	0.52	ug/L	0.52	10	1.0
4-Nitroaniline	1.5	ug/L	1.5	50	1.0

Ms. Liz Scaggs  
 Entact Environmental Services, LLC  
 3129 Bass Pro Drive  
 Grapevine, TX 76051

Job Number: 560-2534-1

**Client Sample ID:** R2-D UP RIVER  
**Lab Sample ID:** 560-2534-4

Date Sampled: 11/09/2006 1100  
 Date Received: 11/10/2006 0920  
 Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method:</b> 8270C	Date Analyzed:	11/16/2006 0141			
<b>Prep Method:</b> 3520C	Date Prepared:	11/13/2006 0817			
4,6-Dinitro-2-methylphenol	5.0	U	ug/L	5.0	50
N-Nitrosodiphenylamine	0.51	U	ug/L	0.51	10
4-Bromophenyl phenyl ether	0.74	U	ug/L	0.74	10
Hexachlorobenzene	0.65	U	ug/L	0.65	10
Phenanthrene	0.51	U	ug/L	0.51	10
Anthracene	0.50	U	ug/L	0.50	10
Di-n-butyl phthalate	0.50	U	ug/L	0.50	10
Fluoranthene	0.50	U	ug/L	0.50	10
Pyrene	0.50	U	ug/L	0.50	10
Butyl benzyl phthalate	0.50	U	ug/L	0.50	10
Benzo[a]anthracene	0.50	U	ug/L	0.50	10
Chrysene	0.50	U	ug/L	0.50	10
Bis(2-ethylhexyl) phthalate	1.9	U	ug/L	1.9	10
Di-n-octyl phthalate	5.0	U	ug/L	5.0	10
Benzo[b]fluoranthene	0.50	U	ug/L	0.50	10
Benzo[k]fluoranthene	0.50	U	ug/L	0.50	10
Benzo[a]pyrene	0.50	U	ug/L	0.50	10
Indeno[1,2,3-cd]pyrene	0.50	U	ug/L	0.50	10
Dibenz(a,h)anthracene	0.50	U	ug/L	0.50	10
Benzo[g,h,i]perylene	0.50	U	ug/L	0.50	10
3,3'-Dichlorobenzidine	5.0	U	ug/L	5.0	20
Pentachlorophenol	5.0	U	ug/L	5.0	50
N-Nitrosodimethylamine	1.3	U	ug/L	1.3	10
Benzoic acid	20	U	ug/L	20	50
<b>Surrogate</b>				Acceptance Limits	
2-Fluorophenol	31	%		10 - 120	
Phenol-d5	36	%		12 - 120	
Nitrobenzene-d5	57	%		30 - 120	
2-Fluorobiphenyl	54	%		26 - 120	
2,4,6-Tribromophenol	42	%		25 - 120	
Terphenyl-d14	29	%		10 - 120	

<b>Method:</b> 8081A	Date Analyzed:	11/23/2006 0406
<b>Prep Method:</b> 3520C	Date Prepared:	11/16/2006 1700
alpha-BHC	0.0056	U
beta-BHC	0.0056	U
delta-BHC	0.0025	U
Heptachlor	0.0059	U
Aldrin	0.0025	U

Ms. Liz Scaggs  
 Entact Environmental Services, LLC  
 3129 Bass Pro Drive  
 Grapevine, TX 76051

Job Number: 560-2534-1

**Client Sample ID:** R2-D UP RIVER  
**Lab Sample ID:** 560-2534-4

Date Sampled: 11/09/2006 1100  
 Date Received: 11/10/2006 0920  
 Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: 8081A</b>	Date Analyzed:	11/23/2006 0406			
<b>Prep Method: 3520C</b>	Date Prepared:	11/16/2006 1700			
Heptachlor epoxide	0.0028	U ug/L	0.0028	0.050	1.0
4,4'-DDE	0.0026	U ug/L	0.0026	0.050	1.0
Endosulfan I	0.0089	U * ug/L	0.0089	0.050	1.0
Dieldrin	0.0083	U ug/L	0.0083	0.050	1.0
Endrin	0.0025	U ug/L	0.0025	0.050	1.0
4,4'-DDD	0.0029	U ug/L	0.0029	0.050	1.0
Endosulfan II	0.0035	U ug/L	0.0035	0.050	1.0
4,4'-DDT	0.0034	U ug/L	0.0034	0.050	1.0
Methoxychlor	0.023	U ug/L	0.023	0.050	1.0
Endosulfan sulfate	0.0039	U ug/L	0.0039	0.050	1.0
Endrin ketone	0.0073	U ug/L	0.0073	0.050	1.0
Chlordane (technical)	0.050	U ug/L	0.050	0.50	1.0
Toxaphene	0.50	U ug/L	0.50	5.0	1.0
gamma-BHC (Lindane)	0.0027	U ug/L	0.0027	0.050	1.0
<hr/>					
<b>Surrogate</b>				<b>Acceptance Limits</b>	
Tetrachloro-m-xylene	84	%		57 - 127	
DCB Decachlorobiphenyl	19	%		10 - 152	
<hr/>					
<b>Method: 8082</b>	Date Analyzed:	11/21/2006 0109			
<b>Prep Method: 3520C</b>	Date Prepared:	11/16/2006 1238			
Aroclor 1016	0.17	U ug/L	0.17	0.50	1.0
Aroclor 1221	0.17	U ug/L	0.17	0.50	1.0
Aroclor 1232	0.17	U ug/L	0.17	0.50	1.0
Aroclor 1242	0.17	U ug/L	0.17	0.50	1.0
Aroclor 1248	0.17	U ug/L	0.17	0.50	1.0
Aroclor 1254	0.17	U ug/L	0.17	0.50	1.0
Aroclor 1260	0.17	U ug/L	0.17	0.50	1.0
<hr/>					
<b>Surrogate</b>				<b>Acceptance Limits</b>	
Tetrachloro-m-xylene	92	%		25 - 140	
DCB Decachlorobiphenyl	18	X %		42 - 133	
<hr/>					
<b>Method: DISS-6020</b>	Date Analyzed:	11/15/2006 2155			
<b>Prep Method: 3010A</b>	Date Prepared:	11/15/2006 1030			
Ag	1.0	U *	1.0	5.0	10
As	5.4	* ug/L	1.0	5.0	10
Ba	140	B ug/L	1.0	50	10
Cd	1.0	U ug/L	1.0	5.0	10

Ms. Liz Scaggs  
Entact Environmental Services, LLC  
3129 Bass Pro Drive  
Grapevine, TX 76051

Job Number: 560-2534-1

Client Sample ID: R2-D UP RIVER  
Lab Sample ID: 560-2534-4

Date Sampled: 11/09/2006 1100  
Date Received: 11/10/2006 0920  
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: DISS-6020</b>	Date Analyzed:	11/15/2006 2155			
<b>Prep Method: 3010A</b>	Date Prepared:	11/15/2006 1030			
Ni	2.0	J *	ug/L	1.0	5.0
Pb	1.0	U *	ug/L	1.0	5.0
Se	1.0	U *	ug/L	1.0	5.0
Zn	50	U	ug/L	50	100
<b>Method: DISS-6020</b>	Date Analyzed:	11/27/2006 1804			
<b>Prep Method: 3010A</b>	Date Prepared:	11/15/2006 1030			
Cr	1.8	J B	ug/L	1.1	20
<b>Method: DISS-7470A</b>	Date Analyzed:	11/13/2006 1538			
<b>Prep Method: 7470A</b>	Date Prepared:	11/13/2006 1000			
Hg	0.00013	U	mg/L	0.00013	0.0020
					1.0

Ms. Liz Scaggs  
 Entact Environmental Services, LLC  
 3129 Bass Pro Drive  
 Grapevine, TX 76051

Job Number: 560-2534-1

**Client Sample ID:** R1-D ADJACENT  
**Lab Sample ID:** 560-2534-5

Date Sampled: 11/09/2006 1225  
 Date Received: 11/10/2006 0920  
 Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: 8260B</b>	Date Analyzed:	11/13/2006 1828			
<b>Prep Method: 5030B</b>	Date Prepared:	11/13/2006 1828			
Chloromethane	0.39	ug/L	0.39	5.0	1.0
Vinyl chloride	0.20	ug/L	0.20	5.0	1.0
Bromomethane	0.39	ug/L	0.39	5.0	1.0
Chloroethane	0.40	ug/L	0.40	5.0	1.0
1,1-Dichloroethene	0.20	ug/L	0.20	5.0	1.0
Carbon disulfide	0.20	ug/L	0.20	5.0	1.0
Methylene Chloride	0.53	ug/L	0.53	50	1.0
Acetone	0.46	ug/L	0.46	100	1.0
trans-1,2-Dichloroethene	0.20	ug/L	0.20	5.0	1.0
1,1-Dichloroethane	0.20	ug/L	0.20	5.0	1.0
Vinyl acetate	0.20	ug/L	0.20	5.0	1.0
Chloroform	0.20	ug/L	0.20	5.0	1.0
Carbon tetrachloride	0.25	ug/L	0.25	5.0	1.0
1,1,1-Trichloroethane	0.20	ug/L	0.20	5.0	1.0
Benzene	0.20	ug/L	0.20	5.0	1.0
Trichloroethene	0.32	ug/L	0.32	5.0	1.0
1,2-Dichloropropane	0.20	ug/L	0.20	5.0	1.0
Bromodichloromethane	0.20	ug/L	0.20	5.0	1.0
cis-1,3-Dichloropropene	0.20	ug/L	0.20	5.0	1.0
Toluene	0.20	ug/L	0.20	5.0	1.0
methyl isobutyl ketone	0.20	ug/L	0.20	5.0	1.0
trans-1,3-Dichloropropene	0.50	ug/L	0.50	5.0	1.0
Tetrachloroethene	0.20	ug/L	0.20	5.0	1.0
1,1,2-Trichloroethane	0.20	ug/L	0.20	5.0	1.0
Chlorodibromomethane	0.22	ug/L	0.22	5.0	1.0
2-Hexanone	0.50	ug/L	0.50	5.0	1.0
Chlorobenzene	0.20	ug/L	0.20	5.0	1.0
Ethylbenzene	0.20	ug/L	0.20	5.0	1.0
Bromoform	0.50	ug/L	0.50	5.0	1.0
Styrene	0.50	ug/L	0.50	5.0	1.0
1,1,2,2-Tetrachloroethane	0.20	ug/L	0.20	5.0	1.0
Methyl Ethyl Ketone	0.47	ug/L	0.47	5.0	1.0
Xylenes, Total	0.90	ug/L	0.90	15	1.0
Surrogate					
Dibromofluoromethane (Surr)	98	%		Acceptance Limits	
1,2-Dichloroethane-d4 (Surr)	99	%		80 - 120	
Toluene-d8 (Surr)	92	%		70 - 120	
4-Bromofluorobenzene (Surr)	96	%		80 - 120	
				75 - 120	

Ms. Liz Scaggs  
 Entact Environmental Services, LLC  
 3129 Bass Pro Drive  
 Grapevine, TX 76051

Job Number: 560-2534-1

**Client Sample ID:** R1-D ADJACENT  
**Lab Sample ID:** 560-2534-5

Date Sampled: 11/09/2006 1225  
 Date Received: 11/10/2006 0920  
 Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: 8270C</b>	Date Analyzed:	11/16/2006 0209			
<b>Prep Method: 3520C</b>	Date Prepared:	11/13/2006 0817			
Phenol	0.50	U	ug/L	0.50	10
Bis(2-chloroethyl)ether	0.71	U	ug/L	0.71	10
2-Chlorophenol	0.50	U	ug/L	0.50	10
1,3-Dichlorobenzene	0.53	U	ug/L	0.53	10
1,4-Dichlorobenzene	0.74	U	ug/L	0.74	10
Benzyl alcohol	1.4	U	ug/L	1.4	20
1,2-Dichlorobenzene	0.50	U	ug/L	0.50	10
2-Methylphenol	0.50	U	ug/L	0.50	10
Bis(2-chloroisopropyl) ether	0.57	U	ug/L	0.57	10
3 & 4 Methylphenol	0.88	U	ug/L	0.88	10
N-Nitrosodi-n-propylamine	0.65	U	ug/L	0.65	10
Hexachloroethane	0.58	U	ug/L	0.58	10
Nitrobenzene	0.50	U	ug/L	0.50	10
2-Nitrophenol	0.50	U	ug/L	0.50	10
2,4-Dimethylphenol	0.56	U	ug/L	0.56	10
Bis(2-chloroethoxy)methane	0.59	U	ug/L	0.59	10
2,4-Dichlorophenol	0.50	U	ug/L	0.50	10
1,2,4-Trichlorobenzene	0.59	U	ug/L	0.59	10
Naphthalene	0.50	U	ug/L	0.50	10
4-Chloroaniline	0.50	U	ug/L	0.50	10
Hexachlorobutadiene	0.50	U	ug/L	0.50	10
4-Chloro-3-methylphenol	0.50	U	ug/L	0.50	10
2-Methylnaphthalene	0.50	U	ug/L	0.50	10
Hexachlorocyclopentadiene	20	U	ug/L	20	50
2,4,6-Trichlorophenol	0.50	U	ug/L	0.50	10
2,4,5-Trichlorophenol	0.50	U	ug/L	0.50	10
2-Chloronaphthalene	0.50	U	ug/L	0.50	10
2-Nitroaniline	5.0	U	ug/L	5.0	50
Dimethyl phthalate	0.55	U	ug/L	0.55	10
Acenaphthylene	0.50	U	ug/L	0.50	10
2,6-Dinitrotoluene	0.52	U	ug/L	0.52	10
3-Nitroaniline	1.8	U	ug/L	1.8	50
Acenaphthene	0.57	U	ug/L	0.57	10
2,4-Dinitrophenol	20	U	ug/L	20	50
4-Nitrophenol	10	U	ug/L	10	50
2,4-Dinitrotoluene	5.0	U	ug/L	5.0	10
Diethyl phthalate	0.52	U	ug/L	0.52	10
Fluorene	0.61	U	ug/L	0.61	10
4-Chlorophenyl phenyl ether	0.52	U	ug/L	0.52	10
4-Nitroaniline	1.5	U	ug/L	1.5	50

Ms. Liz Scaggs  
 Entact Environmental Services, LLC  
 3129 Bass Pro Drive  
 Grapevine, TX 76051

Job Number: 560-2534-1

**Client Sample ID: R1-D ADJACENT**  
**Lab Sample ID: 560-2534-5**

Date Sampled: 11/09/2006 1225  
 Date Received: 11/10/2006 0920  
 Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: 8270C</b>	Date Analyzed:	11/16/2006 0209			
<b>Prep Method: 3520C</b>	Date Prepared:	11/13/2006 0817			
4,6-Dinitro-2-methylphenol	5.0	U ug/L	5.0	50	1.0
N-Nitrosodiphenylamine	0.51	U ug/L	0.51	10	1.0
4-Bromophenyl phenyl ether	0.74	U ug/L	0.74	10	1.0
Hexachlorobenzene	0.65	U ug/L	0.65	10	1.0
Phenanthrene	0.51	U ug/L	0.51	10	1.0
Anthracene	0.50	U ug/L	0.50	10	1.0
Di-n-butyl phthalate	0.50	U ug/L	0.50	10	1.0
Fluoranthene	0.50	U ug/L	0.50	10	1.0
Pyrene	0.50	U ug/L	0.50	10	1.0
Butyl benzyl phthalate	0.50	U ug/L	0.50	10	1.0
Benzo[a]anthracene	0.50	U ug/L	0.50	10	1.0
Chrysene	0.50	U ug/L	0.50	10	1.0
Bis(2-ethylhexyl) phthalate	2.7	J ug/L	1.9	10	1.0
Di-n-octyl phthalate	5.0	U ug/L	5.0	10	1.0
Benzo[b]fluoranthene	0.50	U ug/L	0.50	10	1.0
Benzo[k]fluoranthene	0.50	U ug/L	0.50	10	1.0
Benzo[a]pyrene	0.50	U ug/L	0.50	10	1.0
Indeno[1,2,3-cd]pyrene	0.50	U ug/L	0.50	10	1.0
Dibenz(a,h)anthracene	0.50	U ug/L	0.50	10	1.0
Benzo[g,h,i]perylene	0.50	U ug/L	0.50	10	1.0
3,3'-Dichlorobenzidine	5.0	U ug/L	5.0	20	1.0
Pentachlorophenol	5.0	U ug/L	5.0	50	1.0
N-Nitrosodimethylamine	1.3	U ug/L	1.3	10	1.0
Benzoic acid	20	U ug/L	20	50	1.0

Surrogate			Acceptance Limits
2-Fluorophenol	31	%	10 - 120
Phenol-d5	34	%	12 - 120
Nitrobenzene-d5	61	%	30 - 120
2-Fluorobiphenyl	59	%	26 - 120
2,4,6-Tribromophenol	41	%	25 - 120
Terphenyl-d14	30	%	10 - 120

<b>Method: 8081A</b>	Date Analyzed:	11/28/2006 1435
<b>Prep Method: 3520C</b>	Date Prepared:	11/16/2006 0723
alpha-BHC	0.0056	U ug/L
beta-BHC	0.0056	U ug/L
delta-BHC	0.0025	U ug/L
Heptachlor	0.0059	U ug/L
Aldrin	0.0025	U ug/L

Ms. Liz Scaggs  
 Entact Environmental Services, LLC  
 3129 Bass Pro Drive  
 Grapevine, TX 76051

Job Number: 560-2534-1

**Client Sample ID:** R1-D ADJACENT  
**Lab Sample ID:** 560-2534-5

Date Sampled: 11/09/2006 1225  
 Date Received: 11/10/2006 0920  
 Client Matrix: Water

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
<b>Method: 8081A</b>	Date Analyzed:	11/28/2006 1435				
<b>Prep Method: 3520C</b>	Date Prepared:	11/16/2006 0723				
Heptachlor epoxide	0.0028	U	ug/L	0.0028	0.050	1.0
4,4'-DDE	0.0026	U	ug/L	0.0026	0.050	1.0
Endosulfan I	0.0089	U	ug/L	0.0089	0.050	1.0
Dieldrin	0.0083	U	ug/L	0.0083	0.050	1.0
Endrin	0.0025	U	ug/L	0.0025	0.050	1.0
4,4'-DDD	0.0029	U	ug/L	0.0029	0.050	1.0
Endosulfan II	0.0035	U	ug/L	0.0035	0.050	1.0
4,4'-DDT	0.0034	U	ug/L	0.0034	0.050	1.0
Methoxychlor	0.023	U	ug/L	0.023	0.050	1.0
Endosulfan sulfate	0.0039	U	ug/L	0.0039	0.050	1.0
Endrin ketone	0.0073	U	ug/L	0.0073	0.050	1.0
Chlordane (technical)	0.050	U	ug/L	0.050	0.50	1.0
Toxaphene	0.50	U	ug/L	0.50	5.0	1.0
gamma-BHC (Lindane)	0.0027	U	ug/L	0.0027	0.050	1.0
<b>Surrogate</b>						
Tetrachloro-m-xylene	141	X	%		57 - 127	
DCB Decachlorobiphenyl	29		%		10 - 152	
<b>Method: 8082</b>	Date Analyzed:	11/27/2006 1650				
<b>Prep Method: 3520C</b>	Date Prepared:	11/15/2006 1700				
Aroclor 1016	0.17	U	ug/L	0.17	0.50	1.0
Aroclor 1221	0.17	U	ug/L	0.17	0.50	1.0
Aroclor 1232	0.17	U	ug/L	0.17	0.50	1.0
Aroclor 1242	0.17	U	ug/L	0.17	0.50	1.0
Aroclor 1248	0.17	U	ug/L	0.17	0.50	1.0
Aroclor 1254	0.17	U	ug/L	0.17	0.50	1.0
Aroclor 1260	0.17	U	ug/L	0.17	0.50	1.0
<b>Surrogate</b>						
Tetrachloro-m-xylene	87		%		25 - 140	
DCB Decachlorobiphenyl	25	X	%		42 - 133	
<b>Method: DISS-6020</b>	Date Analyzed:	11/15/2006 2202				
<b>Prep Method: 3010A</b>	Date Prepared:	11/15/2006 1030				
Ag	1.0	U *	ug/L	1.0	5.0	10
As	4.0	J *	ug/L	1.0	5.0	10
Ba	110	B	ug/L	1.0	50	10
Cd	1.0	U	ug/L	1.0	5.0	10

Ms. Liz Scaggs  
Entact Environmental Services, LLC  
3129 Bass Pro Drive  
Grapevine, TX 76051

Job Number: 560-2534-1

**Client Sample ID: R1-D ADJACENT**  
**Lab Sample ID: 560-2534-5**

Date Sampled: 11/09/2006 1225  
Date Received: 11/10/2006 0920  
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: DISS-6020</b>	Date Analyzed:	11/15/2006 2202			
<b>Prep Method: 3010A</b>	Date Prepared:	11/15/2006 1030			
Ni	1.0	ug/L	1.0	5.0	10
Pb	1.0	ug/L	1.0	5.0	10
Se	1.0	ug/L	1.0	5.0	10
Zn	50	ug/L	50	100	10
<b>Method: DISS-6020</b>	Date Analyzed:	11/27/2006 1811			
<b>Prep Method: 3010A</b>	Date Prepared:	11/15/2006 1030			
Cr	1.1	ug/L	1.1	20	10
<b>Method: DISS-7470A</b>	Date Analyzed:	11/13/2006 1541			
<b>Prep Method: 7470A</b>	Date Prepared:	11/13/2006 1000			
Hg	0.00013	mg/L	0.00013	0.0020	1.0

Ms. Liz Scaggs  
 Entact Environmental Services, LLC  
 3129 Bass Pro Drive  
 Grapevine, TX 76051

Job Number: 560-2534-1

**Client Sample ID:** R1-C ADJACENT  
**Lab Sample ID:** 560-2534-6

Date Sampled: 11/09/2006 1245  
 Date Received: 11/10/2006 0920  
 Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: 8260B</b>	Date Analyzed:	11/13/2006 1853			
<b>Prep Method: 5030B</b>	Date Prepared:	11/13/2006 1853			
Chloromethane	0.39	ug/L	0.39	5.0	1.0
Vinyl chloride	0.20	ug/L	0.20	5.0	1.0
Bromomethane	0.39	ug/L	0.39	5.0	1.0
Chloroethane	0.40	ug/L	0.40	5.0	1.0
1,1-Dichloroethene	0.20	ug/L	0.20	5.0	1.0
Carbon disulfide	0.20	ug/L	0.20	5.0	1.0
Methylene Chloride	0.53	ug/L	0.53	50	1.0
Acetone	0.46	ug/L	0.46	100	1.0
trans-1,2-Dichloroethene	0.20	ug/L	0.20	5.0	1.0
1,1-Dichloroethane	0.20	ug/L	0.20	5.0	1.0
Vinyl acetate	0.20	ug/L	0.20	5.0	1.0
Chloroform	0.20	ug/L	0.20	5.0	1.0
Carbon tetrachloride	0.25	ug/L	0.25	5.0	1.0
1,1,1-Trichloroethane	0.20	ug/L	0.20	5.0	1.0
Benzene	0.20	ug/L	0.20	5.0	1.0
Trichloroethene	0.32	ug/L	0.32	5.0	1.0
1,2-Dichloropropane	0.20	ug/L	0.20	5.0	1.0
Bromodichloromethane	0.20	ug/L	0.20	5.0	1.0
cis-1,3-Dichloropropene	0.20	ug/L	0.20	5.0	1.0
Toluene	0.20	ug/L	0.20	5.0	1.0
methyl isobutyl ketone	0.20	ug/L	0.20	5.0	1.0
trans-1,3-Dichloropropene	0.50	ug/L	0.50	5.0	1.0
Tetrachloroethene	0.20	ug/L	0.20	5.0	1.0
1,1,2-Trichloroethane	0.20	ug/L	0.20	5.0	1.0
Chlorodibromomethane	0.22	ug/L	0.22	5.0	1.0
2-Hexanone	0.50	ug/L	0.50	5.0	1.0
Chlorobenzene	0.20	ug/L	0.20	5.0	1.0
Ethylbenzene	0.20	ug/L	0.20	5.0	1.0
Bromoform	0.50	ug/L	0.50	5.0	1.0
Styrene	0.50	ug/L	0.50	5.0	1.0
1,1,2,2-Tetrachloroethane	0.20	ug/L	0.20	5.0	1.0
Methyl Ethyl Ketone	0.47	ug/L	0.47	5.0	1.0
Xylenes, Total	0.90	ug/L	0.90	15	1.0
Surrogate				Acceptance Limits	
Dibromofluoromethane (Surr)	98	%		80 - 120	
1,2-Dichloroethane-d4 (Surr)	98	%		70 - 120	
Toluene-d8 (Surr)	91	%		80 - 120	
4-Bromofluorobenzene (Surr)	97	%		75 - 120	

Ms. Liz Scaggs  
Entact Environmental Services, LLC  
3129 Bass Pro Drive  
Grapevine, TX 76051

Job Number: 560-2534-1

Client Sample ID: R1-C ADJACENT  
Lab Sample ID: 560-2534-6

Date Sampled: 11/09/2006 1245  
Date Received: 11/10/2006 0920  
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: 8270C</b>	Date Analyzed:	11/16/2006 0237			
<b>Prep Method: 3520C</b>	Date Prepared:	11/13/2006 0817			
Phenol	0.50	U	ug/L	0.50	10
Bis(2-chloroethyl)ether	0.71	U	ug/L	0.71	10
2-Chlorophenol	0.50	U	ug/L	0.50	10
1,3-Dichlorobenzene	0.53	U	ug/L	0.53	10
1,4-Dichlorobenzene	0.74	U	ug/L	0.74	10
Benzyl alcohol	1.4	U	ug/L	1.4	20
1,2-Dichlorobenzene	0.50	U	ug/L	0.50	10
2-Methylphenol	0.50	U	ug/L	0.50	10
Bis(2-chloroisopropyl) ether	0.57	U	ug/L	0.57	10
3 & 4 Methylphenol	0.88	U	ug/L	0.88	10
N-Nitrosodi-n-propylamine	0.65	U	ug/L	0.65	10
Hexachloroethane	0.58	U	ug/L	0.58	10
Nitrobenzene	0.50	U	ug/L	0.50	10
2-Nitrophenol	0.50	U	ug/L	0.50	10
2,4-Dimethylphenol	0.56	U	ug/L	0.56	10
Bis(2-chloroethoxy)methane	0.59	U	ug/L	0.59	10
2,4-Dichlorophenol	0.50	U	ug/L	0.50	10
1,2,4-Trichlorobenzene	0.59	U	ug/L	0.59	10
Naphthalene	0.50	U	ug/L	0.50	10
4-Chloroaniline	0.50	U	ug/L	0.50	10
Hexachlorobutadiene	0.50	U	ug/L	0.50	10
4-Chloro-3-methylphenol	0.50	U	ug/L	0.50	10
2-Methylnaphthalene	0.50	U	ug/L	0.50	10
Hexachlorocyclopentadiene	20	U	ug/L	20	50
2,4,6-Trichlorophenol	0.50	U	ug/L	0.50	10
2,4,5-Trichlorophenol	0.50	U	ug/L	0.50	10
2-Chloronaphthalene	0.50	U	ug/L	0.50	10
2-Nitroaniline	5.0	U	ug/L	5.0	50
Dimethyl phthalate	0.55	U	ug/L	0.55	10
Acenaphthylene	0.50	U	ug/L	0.50	10
2,6-Dinitrotoluene	0.52	U	ug/L	0.52	10
3-Nitroaniline	1.8	U	ug/L	1.8	50
Acenaphthene	0.57	U	ug/L	0.57	10
2,4-Dinitrophenol	20	U	ug/L	20	50
4-Nitrophenol	10	U	ug/L	10	50
2,4-Dinitrotoluene	5.0	U	ug/L	5.0	10
Diethyl phthalate	0.52	U	ug/L	0.52	10
Fluorene	0.61	U	ug/L	0.61	10
4-Chlorophenyl phenyl ether	0.52	U	ug/L	0.52	10
4-Nitroaniline	1.5	U	ug/L	1.5	50

Ms. Liz Scaggs  
 Entact Environmental Services, LLC  
 3129 Bass Pro Drive  
 Grapevine, TX 76051

Job Number: 560-2534-1

**Client Sample ID: R1-C ADJACENT**  
**Lab Sample ID: 560-2534-6**

Date Sampled: 11/09/2006 1245  
 Date Received: 11/10/2006 0920  
 Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: 8270C</b>	Date Analyzed:	11/16/2006 0237			
<b>Prep Method: 3520C</b>	Date Prepared:	11/13/2006 0817			
4,6-Dinitro-2-methylphenol	5.0	ug/L	5.0	50	1.0
N-Nitrosodiphenylamine	0.51	ug/L	0.51	10	1.0
4-Bromophenyl phenyl ether	0.74	ug/L	0.74	10	1.0
Hexachlorobenzene	0.65	ug/L	0.65	10	1.0
Phenanthrene	0.51	ug/L	0.51	10	1.0
Anthracene	0.50	ug/L	0.50	10	1.0
Di-n-butyl phthalate	0.50	ug/L	0.50	10	1.0
Fluoranthene	0.50	ug/L	0.50	10	1.0
Pyrene	0.50	ug/L	0.50	10	1.0
Butyl benzyl phthalate	0.50	ug/L	0.50	10	1.0
Benzo[a]anthracene	0.50	ug/L	0.50	10	1.0
Chrysene	0.50	ug/L	0.50	10	1.0
Bis(2-ethylhexyl) phthalate	1.9	ug/L	1.9	10	1.0
Di-n-octyl phthalate	5.0	ug/L	5.0	10	1.0
Benzo[b]fluoranthene	0.50	ug/L	0.50	10	1.0
Benzo[k]fluoranthene	0.50	ug/L	0.50	10	1.0
Benzo[a]pyrene	0.50	ug/L	0.50	10	1.0
Indeno[1,2,3-cd]pyrene	0.50	ug/L	0.50	10	1.0
Dibenz(a,h)anthracene	0.50	ug/L	0.50	10	1.0
Benzo[g,h,i]perylene	0.50	ug/L	0.50	10	1.0
3,3'-Dichlorobenzidine	5.0	ug/L	5.0	20	1.0
Pentachlorophenol	5.0	ug/L	5.0	50	1.0
N-Nitrosodimethylamine	1.3	ug/L	1.3	10	1.0
Benzoic acid	20	ug/L	20	50	1.0

Surrogate			Acceptance Limits
2-Fluorophenol	21	%	10 - 120
Phenol-d5	26	%	12 - 120
Nitrobenzene-d5	48	%	30 - 120
2-Fluorobiphenyl	49	%	26 - 120
2,4,6-Tribromophenol	37	%	25 - 120
Terphenyl-d14	28	%	10 - 120

<b>Method: 8081A</b>	Date Analyzed:	11/28/2006 1458
<b>Prep Method: 3520C</b>	Date Prepared:	11/16/2006 0723
alpha-BHC	0.0056	ug/L
beta-BHC	0.0056	ug/L
delta-BHC	0.0025	ug/L
Heptachlor	0.0059	ug/L
Aldrin	0.0025	ug/L

Ms. Liz Scaggs  
 Entact Environmental Services, LLC  
 3129 Bass Pro Drive  
 Grapevine, TX 76051

Job Number: 560-2534-1

**Client Sample ID: R1-C ADJACENT**  
**Lab Sample ID: 560-2534-6**

Date Sampled: 11/09/2006 1245  
 Date Received: 11/10/2006 0920  
 Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: 8081A</b>	Date Analyzed:	11/28/2006 1458			
<b>Prep Method: 3520C</b>	Date Prepared:	11/16/2006 0723			
Heptachlor epoxide	0.0028	U ug/L	0.0028	0.050	1.0
4,4'-DDE	0.0026	U ug/L	0.0026	0.050	1.0
Endosulfan I	0.0089	U ug/L	0.0089	0.050	1.0
Dieldrin	0.0083	U ug/L	0.0083	0.050	1.0
Endrin	0.0025	U ug/L	0.0025	0.050	1.0
4,4'-DDD	0.0029	U ug/L	0.0029	0.050	1.0
Endosulfan II	0.0035	U ug/L	0.0035	0.050	1.0
4,4'-DDT	0.0034	U ug/L	0.0034	0.050	1.0
Methoxychlor	0.023	U ug/L	0.023	0.050	1.0
Endosulfan sulfate	0.0039	U ug/L	0.0039	0.050	1.0
Endrin ketone	0.0073	U ug/L	0.0073	0.050	1.0
Chlordane (technical)	0.050	U ug/L	0.050	0.50	1.0
Toxaphene	0.50	U ug/L	0.50	5.0	1.0
gamma-BHC (Lindane)	0.0027	U ug/L	0.0027	0.050	1.0
<b>Surrogate</b>					
Tetrachloro-m-xylene	117	%		57 - 127	
DCB Decachlorobiphenyl	24	%		10 - 152	
<b>Method: 8082</b>	Date Analyzed:	11/27/2006 1708			
<b>Prep Method: 3520C</b>	Date Prepared:	11/15/2006 1700			
Aroclor 1016	0.17	U ug/L	0.17	0.50	1.0
Aroclor 1221	0.17	U ug/L	0.17	0.50	1.0
Aroclor 1232	0.17	U ug/L	0.17	0.50	1.0
Aroclor 1242	0.17	U ug/L	0.17	0.50	1.0
Aroclor 1248	0.17	U ug/L	0.17	0.50	1.0
Aroclor 1254	0.17	U ug/L	0.17	0.50	1.0
Aroclor 1260	0.17	U ug/L	0.17	0.50	1.0
<b>Surrogate</b>					
Tetrachloro-m-xylene	88	%		25 - 140	
DCB Decachlorobiphenyl	24	X %		42 - 133	
<b>Method: DISS-6020</b>	Date Analyzed:	11/15/2006 2208			
<b>Prep Method: 3010A</b>	Date Prepared:	11/15/2006 1030			
Ag	1.0	U *	1.0	5.0	10
As	3.6	J *	1.0	5.0	10
Ba	100	B ug/L	1.0	50	10
Cd	1.0	U ug/L	1.0	5.0	10

Ms. Liz Scaggs  
Entact Environmental Services, LLC  
3129 Bass Pro Drive  
Grapevine, TX 76051

Job Number: 560-2534-1

**Client Sample ID:** R1-C ADJACENT  
**Lab Sample ID:** 560-2534-6

Date Sampled: 11/09/2006 1245  
Date Received: 11/10/2006 0920  
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method:</b> DISS-6020	Date Analyzed:	11/15/2006 2208			
<b>Prep Method:</b> 3010A	Date Prepared:	11/15/2006 1030			
Ni	1.0	U *	ug/L	1.0	5.0
Pb	1.0	U *	ug/L	1.0	5.0
Se	1.0	U *	ug/L	1.0	5.0
Zn	50	U	ug/L	50	100
<b>Method:</b> DISS-6020	Date Analyzed:	11/27/2006 1818			
<b>Prep Method:</b> 3010A	Date Prepared:	11/15/2006 1030			
Cr	1.1	U	ug/L	1.1	20
<b>Method:</b> DISS-7470A	Date Analyzed:	11/13/2006 1542			
<b>Prep Method:</b> 7470A	Date Prepared:	11/13/2006 1000			
Hg	0.00013	J	mg/L	0.00013	0.0020

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 Entact Environmental Services, LLC  
 3129 Bass Pro Drive  
 Grapevine, TX 76051

Job Number: 560-2534-1

**Client Sample ID: R1-B ADJACENT**  
**Lab Sample ID: 560-2534-7**

Date Sampled: 11/09/2006 1315  
 Date Received: 11/10/2006 0920  
 Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: 8260B</b>	Date Analyzed:	11/13/2006 1917			
<b>Prep Method: 5030B</b>	Date Prepared:	11/13/2006 1917			
Chloromethane	0.39	U	ug/L	0.39	5.0
Vinyl chloride	0.20	U	ug/L	0.20	5.0
Bromomethane	0.39	U	ug/L	0.39	5.0
Chloroethane	0.40	U	ug/L	0.40	5.0
1,1-Dichloroethene	0.20	U	ug/L	0.20	5.0
Carbon disulfide	0.20	U	ug/L	0.20	5.0
Methylene Chloride	0.53	U	ug/L	0.53	50
Acetone	0.46	U	ug/L	0.46	100
trans-1,2-Dichloroethene	0.20	U	ug/L	0.20	5.0
1,1-Dichloroethane	0.20	U	ug/L	0.20	5.0
Vinyl acetate	0.20	U	ug/L	0.20	5.0
Chloroform	0.20	U	ug/L	0.20	5.0
Carbon tetrachloride	0.25	U	ug/L	0.25	5.0
1,1,1-Trichloroethane	0.20	U	ug/L	0.20	5.0
Benzene	0.20	U	ug/L	0.20	5.0
Trichloroethene	0.32	U	ug/L	0.32	5.0
1,2-Dichloropropane	0.20	U	ug/L	0.20	5.0
Bromodichloromethane	0.20	U	ug/L	0.20	5.0
cis-1,3-Dichloropropene	0.20	U	ug/L	0.20	5.0
Toluene	0.20	U	ug/L	0.20	5.0
methyl isobutyl ketone	0.20	U	ug/L	0.20	5.0
trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	5.0
Tetrachloroethene	0.20	U	ug/L	0.20	5.0
1,1,2-Trichloroethane	0.20	U	ug/L	0.20	5.0
Chlorodibromomethane	0.22	U	ug/L	0.22	5.0
2-Hexanone	0.50	U	ug/L	0.50	5.0
Chlorobenzene	0.20	U	ug/L	0.20	5.0
Ethylbenzene	0.20	U	ug/L	0.20	5.0
Bromoform	0.50	U	ug/L	0.50	5.0
Styrene	0.50	U	ug/L	0.50	5.0
1,1,2,2-Tetrachloroethane	0.20	U	ug/L	0.20	5.0
Methyl Ethyl Ketone	0.47	U	ug/L	0.47	5.0
Xylenes, Total	0.90	U	ug/L	0.90	15
Surrogate				Acceptance Limits	
Dibromofluoromethane (Surr)	96	%		80 - 120	
1,2-Dichloroethane-d4 (Surr)	96	%		70 - 120	
Toluene-d8 (Surr)	92	%		80 - 120	
4-Bromofluorobenzene (Surr)	94	%		75 - 120	

Ms. Liz Scaggs  
Entact Environmental Services, LLC  
3129 Bass Pro Drive  
Grapevine, TX 76051

Job Number: 560-2534-1

Client Sample ID: R1-B ADJACENT  
Lab Sample ID: 560-2534-7

Date Sampled: 11/09/2006 1315  
Date Received: 11/10/2006 0920  
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: 8270C</b>	Date Analyzed:	11/16/2006 0305			
<b>Prep Method: 3520C</b>	Date Prepared:	11/13/2006 0817			
Phenol	0.50	ug/L	0.50	10	1.0
Bis(2-chloroethyl)ether	0.71	ug/L	0.71	10	1.0
2-Chlorophenol	0.50	ug/L	0.50	10	1.0
1,3-Dichlorobenzene	0.53	ug/L	0.53	10	1.0
1,4-Dichlorobenzene	0.74	ug/L	0.74	10	1.0
Benzyl alcohol	1.4	ug/L	1.4	20	1.0
1,2-Dichlorobenzene	0.50	ug/L	0.50	10	1.0
2-Methylphenol	0.50	ug/L	0.50	10	1.0
Bis(2-chloroisopropyl) ether	0.57	ug/L	0.57	10	1.0
3 & 4 Methylphenol	0.88	ug/L	0.88	10	1.0
N-Nitrosodi-n-propylamine	0.65	ug/L	0.65	10	1.0
Hexachloroethane	0.58	ug/L	0.58	10	1.0
Nitrobenzene	0.50	ug/L	0.50	10	1.0
2-Nitrophenol	0.50	ug/L	0.50	10	1.0
2,4-Dimethylphenol	0.56	ug/L	0.56	10	1.0
Bis(2-chloroethoxy)methane	0.59	ug/L	0.59	10	1.0
2,4-Dichlorophenol	0.50	ug/L	0.50	10	1.0
1,2,4-Trichlorobenzene	0.59	ug/L	0.59	10	1.0
Naphthalene	0.50	ug/L	0.50	10	1.0
4-Chloroaniline	0.50	ug/L	0.50	10	1.0
Hexachlorobutadiene	0.50	ug/L	0.50	10	1.0
4-Chloro-3-methylphenol	0.50	ug/L	0.50	10	1.0
2-Methylnaphthalene	0.50	ug/L	0.50	10	1.0
Hexachlorocyclopentadiene	20	ug/L	20	50	1.0
2,4,6-Trichlorophenol	0.50	ug/L	0.50	10	1.0
2,4,5-Trichlorophenol	0.50	ug/L	0.50	10	1.0
2-Chloronaphthalene	0.50	ug/L	0.50	10	1.0
2-Nitroaniline	5.0	ug/L	5.0	50	1.0
Dimethyl phthalate	0.55	ug/L	0.55	10	1.0
Acenaphthylene	0.50	ug/L	0.50	10	1.0
2,6-Dinitrotoluene	0.52	ug/L	0.52	10	1.0
3-Nitroaniline	1.8	ug/L	1.8	50	1.0
Acenaphthene	0.57	ug/L	0.57	10	1.0
2,4-Dinitrophenol	20	ug/L	20	50	1.0
4-Nitrophenol	10	ug/L	10	50	1.0
2,4-Dinitrotoluene	5.0	ug/L	5.0	10	1.0
Diethyl phthalate	0.52	ug/L	0.52	10	1.0
Fluorene	0.61	ug/L	0.61	10	1.0
4-Chlorophenyl phenyl ether	0.52	ug/L	0.52	10	1.0
4-Nitroaniline	1.5	ug/L	1.5	50	1.0

Ms. Liz Scaggs  
 Entact Environmental Services, LLC  
 3129 Bass Pro Drive  
 Grapevine, TX 76051

Job Number: 560-2534-1

**Client Sample ID:** R1-B ADJACENT  
**Lab Sample ID:** 560-2534-7

Date Sampled: 11/09/2006 1315  
 Date Received: 11/10/2006 0920  
 Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: 8270C</b>	Date Analyzed:	11/16/2006 0305			
<b>Prep Method: 3520C</b>	Date Prepared:	11/13/2006 0817			
4,6-Dinitro-2-methylphenol	5.0	ug/L	5.0	50	1.0
N-Nitrosodiphenylamine	0.51	ug/L	0.51	10	1.0
4-Bromophenyl phenyl ether	0.74	ug/L	0.74	10	1.0
Hexachlorobenzene	0.65	ug/L	0.65	10	1.0
Phenanthrene	0.51	ug/L	0.51	10	1.0
Anthracene	0.50	ug/L	0.50	10	1.0
Di-n-butyl phthalate	0.50	ug/L	0.50	10	1.0
Fluoranthene	0.50	ug/L	0.50	10	1.0
Pyrene	0.50	ug/L	0.50	10	1.0
Butyl benzyl phthalate	0.50	ug/L	0.50	10	1.0
Benzo[a]anthracene	0.50	ug/L	0.50	10	1.0
Chrysene	0.50	ug/L	0.50	10	1.0
Bis(2-ethylhexyl) phthalate	1.9	ug/L	1.9	10	1.0
Di-n-octyl phthalate	5.0	ug/L	5.0	10	1.0
Benzo[b]fluoranthene	0.50	ug/L	0.50	10	1.0
Benzo[k]fluoranthene	0.50	ug/L	0.50	10	1.0
Benzo[a]pyrene	0.50	ug/L	0.50	10	1.0
Indeno[1,2,3-cd]pyrene	0.50	ug/L	0.50	10	1.0
Dibenz(a,h)anthracene	0.50	ug/L	0.50	10	1.0
Benzo[g,h,i]perylene	0.50	ug/L	0.50	10	1.0
3,3'-Dichlorobenzidine	5.0	ug/L	5.0	20	1.0
Pentachlorophenol	5.0	ug/L	5.0	50	1.0
N-Nitrosodimethylamine	1.3	ug/L	1.3	10	1.0
Benzoic acid	20	ug/L	20	50	1.0
<hr/>					
<b>Surrogate</b>				<b>Acceptance Limits</b>	
2-Fluorophenol	28	%		10 - 120	
Phenol-d5	35	%		12 - 120	
Nitrobenzene-d5	65	%		30 - 120	
2-Fluorobiphenyl	61	%		26 - 120	
2,4,6-Tribromophenol	43	%		25 - 120	
Terphenyl-d14	31	%		10 - 120	

<b>Method: 8081A</b>	Date Analyzed:	11/28/2006 1522
<b>Prep Method: 3520C</b>	Date Prepared:	11/16/2006 0723
alpha-BHC	0.0056	ug/L
beta-BHC	0.0056	ug/L
delta-BHC	0.0025	ug/L
Heptachlor	0.0059	ug/L
Aldrin	0.0025	ug/L

Ms. Liz Scaggs  
 Entact Environmental Services, LLC  
 3129 Bass Pro Drive  
 Grapevine, TX 76051

Job Number: 560-2534-1

**Client Sample ID:** R1-B ADJACENT  
**Lab Sample ID:** 560-2534-7

Date Sampled: 11/09/2006 1315  
 Date Received: 11/10/2006 0920  
 Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: 8081A</b>	Date Analyzed:	11/28/2006 1522			
<b>Prep Method: 3520C</b>	Date Prepared:	11/16/2006 0723			
Heptachlor epoxide	0.0028	U ug/L	0.0028	0.050	1.0
4,4'-DDE	0.0026	U ug/L	0.0026	0.050	1.0
Endosulfan I	0.0089	U ug/L	0.0089	0.050	1.0
Dieldrin	0.0083	U ug/L	0.0083	0.050	1.0
Endrin	0.0025	U ug/L	0.0025	0.050	1.0
4,4'-DDD	0.0029	U ug/L	0.0029	0.050	1.0
Endosulfan II	0.0035	U ug/L	0.0035	0.050	1.0
4,4'-DDT	0.0034	U ug/L	0.0034	0.050	1.0
Methoxychlor	0.023	U ug/L	0.023	0.050	1.0
Endosulfan sulfate	0.0039	U ug/L	0.0039	0.050	1.0
Endrin ketone	0.0073	U ug/L	0.0073	0.050	1.0
Chlordane (technical)	0.050	U ug/L	0.050	0.50	1.0
Toxaphene	0.50	U ug/L	0.50	5.0	1.0
gamma-BHC (Lindane)	0.0027	U ug/L	0.0027	0.050	1.0
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Surrogate				Acceptance Limits	
Tetrachloro-m-xylene	177	X %		57 - 127	
DCB Decachlorobiphenyl	37	%		10 - 152	
<hr/>					
<b>Method: 8082</b>	Date Analyzed:	11/27/2006 1725			
<b>Prep Method: 3520C</b>	Date Prepared:	11/15/2006 1700			
Aroclor 1016	0.17	U ug/L	0.17	0.50	1.0
Aroclor 1221	0.17	U ug/L	0.17	0.50	1.0
Aroclor 1232	0.17	U ug/L	0.17	0.50	1.0
Aroclor 1242	0.17	U ug/L	0.17	0.50	1.0
Aroclor 1248	0.17	U ug/L	0.17	0.50	1.0
Aroclor 1254	0.17	U ug/L	0.17	0.50	1.0
Aroclor 1260	0.17	U ug/L	0.17	0.50	1.0
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Surrogate				Acceptance Limits	
Tetrachloro-m-xylene	93	%		25 - 140	
DCB Decachlorobiphenyl	29	X %		42 - 133	
<hr/>					
<b>Method: DISS-6020</b>	Date Analyzed:	11/15/2006 2214			
<b>Prep Method: 3010A</b>	Date Prepared:	11/15/2006 1030			
Ag	1.0	U *	1.0	5.0	10
As	3.6	J *	1.0	5.0	10
Ba	100	B ug/L	1.0	50	10
Cd	1.0	U ug/L	1.0	5.0	10

Ms. Liz Scaggs  
Entact Environmental Services, LLC  
3129 Bass Pro Drive  
Grapevine, TX 76051

Job Number: 560-2534-1

**Client Sample ID:** R1-B ADJACENT  
**Lab Sample ID:** 560-2534-7

Date Sampled: 11/09/2006 1315  
Date Received: 11/10/2006 0920  
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method:</b> DISS-6020	Date Analyzed:	11/15/2006 2214			
<b>Prep Method:</b> 3010A	Date Prepared:	11/15/2006 1030			
Ni	1.0	ug/L	1.0	5.0	10
Pb	1.0	ug/L	1.0	5.0	10
Se	1.0	ug/L	1.0	5.0	10
Zn	50	ug/L	50	100	10
<b>Method:</b> DISS-6020	Date Analyzed:	11/27/2006 1824			
<b>Prep Method:</b> 3010A	Date Prepared:	11/15/2006 1030			
Cr	1.1	ug/L	1.1	20	10
<b>Method:</b> DISS-7470A	Date Analyzed:	11/13/2006 1544			
<b>Prep Method:</b> 7470A	Date Prepared:	11/13/2006 1000			
Hg	0.00013	mg/L	0.00013	0.0020	1.0

Ms. Liz Scaggs  
 Entact Environmental Services, LLC  
 3129 Bass Pro Drive  
 Grapevine, TX 76051

Job Number: 560-2534-1

**Client Sample ID: R1-A ADJACENT**  
**Lab Sample ID: 560-2534-8**

Date Sampled: 11/09/2006 1325  
 Date Received: 11/10/2006 0920  
 Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: 8260B</b>	Date Analyzed:	11/13/2006 1942			
<b>Prep Method: 5030B</b>	Date Prepared:	11/13/2006 1942			
Chloromethane	0.39	U	ug/L	0.39	5.0
Vinyl chloride	0.20	U	ug/L	0.20	5.0
Bromomethane	0.39	U	ug/L	0.39	5.0
Chloroethane	0.40	U	ug/L	0.40	5.0
1,1-Dichloroethene	0.20	U	ug/L	0.20	5.0
Carbon disulfide	0.20	U	ug/L	0.20	5.0
Methylene Chloride	0.53	U	ug/L	0.53	50
Acetone	1.8	J	ug/L	0.46	100
trans-1,2-Dichloroethene	0.20	U	ug/L	0.20	5.0
1,1-Dichloroethane	0.20	U	ug/L	0.20	5.0
Vinyl acetate	0.20	U	ug/L	0.20	5.0
Chloroform	0.20	U	ug/L	0.20	5.0
Carbon tetrachloride	0.25	U	ug/L	0.25	5.0
1,1,1-Trichloroethane	0.20	U	ug/L	0.20	5.0
Benzene	0.20	U	ug/L	0.20	5.0
Trichloroethene	0.32	U	ug/L	0.32	5.0
1,2-Dichloropropane	0.20	U	ug/L	0.20	5.0
Bromodichloromethane	0.20	U	ug/L	0.20	5.0
cis-1,3-Dichloropropene	0.20	U	ug/L	0.20	5.0
Toluene	0.20	U	ug/L	0.20	5.0
methyl isobutyl ketone	0.20	U	ug/L	0.20	5.0
trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	5.0
Tetrachloroethene	0.20	U	ug/L	0.20	5.0
1,1,2-Trichloroethane	0.20	U	ug/L	0.20	5.0
Chlorodibromomethane	0.22	U	ug/L	0.22	5.0
2-Hexanone	0.50	U	ug/L	0.50	5.0
Chlorobenzene	0.20	U	ug/L	0.20	5.0
Ethylbenzene	0.20	U	ug/L	0.20	5.0
Bromoform	0.50	U	ug/L	0.50	5.0
Styrene	0.50	U	ug/L	0.50	5.0
1,1,2,2-Tetrachloroethane	0.20	U	ug/L	0.20	5.0
Methyl Ethyl Ketone	0.47	U	ug/L	0.47	5.0
Xylenes, Total	0.90	U	ug/L	0.90	15
Surrogate				Acceptance Limits	
Dibromofluoromethane (Surr)	96	%		80 - 120	
1,2-Dichloroethane-d4 (Surr)	97	%		70 - 120	
Toluene-d8 (Surr)	93	%		80 - 120	
4-Bromofluorobenzene (Surr)	97	%		75 - 120	

Ms. Liz Scaggs  
Entact Environmental Services, LLC  
3129 Bass Pro Drive  
Grapevine, TX 76051

Job Number: 560-2534-1

Client Sample ID: R1-A ADJACENT  
Lab Sample ID: 560-2534-8

Date Sampled: 11/09/2006 1325  
Date Received: 11/10/2006 0920  
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: 8270C</b>	Date Analyzed:	11/16/2006 0334			
<b>Prep Method: 3520C</b>	Date Prepared:	11/13/2006 0817			
Phenol	0.50	U	ug/L	0.50	10
Bis(2-chloroethyl)ether	0.71	U	ug/L	0.71	10
2-Chlorophenol	0.50	U	ug/L	0.50	10
1,3-Dichlorobenzene	0.53	U	ug/L	0.53	10
1,4-Dichlorobenzene	0.74	U	ug/L	0.74	10
Benzyl alcohol	1.4	U	ug/L	1.4	20
1,2-Dichlorobenzene	0.50	U	ug/L	0.50	10
2-Methylphenol	0.50	U	ug/L	0.50	10
Bis(2-chloroisopropyl) ether	0.57	U	ug/L	0.57	10
3 & 4 Methylphenol	0.88	U	ug/L	0.88	10
N-Nitrosodi-n-propylamine	0.65	U	ug/L	0.65	10
Hexachloroethane	0.58	U	ug/L	0.58	10
Nitrobenzene	0.50	U	ug/L	0.50	10
2-Nitrophenol	0.50	U	ug/L	0.50	10
2,4-Dimethylphenol	0.56	U	ug/L	0.56	10
Bis(2-chloroethoxy)methane	0.59	U	ug/L	0.59	10
2,4-Dichlorophenol	0.50	U	ug/L	0.50	10
1,2,4-Trichlorobenzene	0.59	U	ug/L	0.59	10
Naphthalene	0.50	U	ug/L	0.50	10
4-Chloroaniline	0.50	U	ug/L	0.50	10
Hexachlorobutadiene	0.50	U	ug/L	0.50	10
4-Chloro-3-methylphenol	0.50	U	ug/L	0.50	10
2-Methylnaphthalene	0.50	U	ug/L	0.50	10
Hexachlorocyclopentadiene	20	U	ug/L	20	50
2,4,6-Trichlorophenol	0.50	U	ug/L	0.50	10
2,4,5-Trichlorophenol	0.50	U	ug/L	0.50	10
2-Chloronaphthalene	0.50	U	ug/L	0.50	10
2-Nitroaniline	5.0	U	ug/L	5.0	50
Dimethyl phthalate	0.55	U	ug/L	0.55	10
Acenaphthylene	0.50	U	ug/L	0.50	10
2,6-Dinitrotoluene	0.52	U	ug/L	0.52	10
3-Nitroaniline	1.8	U	ug/L	1.8	50
Acenaphthene	0.57	U	ug/L	0.57	10
2,4-Dinitrophenol	20	U	ug/L	20	50
4-Nitrophenol	10	U	ug/L	10	50
2,4-Dinitrotoluene	5.0	U	ug/L	5.0	10
Diethyl phthalate	0.52	U	ug/L	0.52	10
Fluorene	0.61	U	ug/L	0.61	10
4-Chlorophenyl phenyl ether	0.52	U	ug/L	0.52	10
4-Nitroaniline	1.5	U	ug/L	1.5	50

Ms. Liz Scaggs  
 Entact Environmental Services, LLC  
 3129 Bass Pro Drive  
 Grapevine, TX 76051

Job Number: 560-2534-1

**Client Sample ID:** R1-A ADJACENT  
**Lab Sample ID:** 560-2534-8

Date Sampled: 11/09/2006 1325  
 Date Received: 11/10/2006 0920  
 Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method:</b> 8270C	Date Analyzed:	11/16/2006 0334			
<b>Prep Method:</b> 3520C	Date Prepared:	11/13/2006 0817			
4,6-Dinitro-2-methylphenol	5.0	ug/L	5.0	50	1.0
N-Nitrosodiphenylamine	0.51	ug/L	0.51	10	1.0
4-Bromophenyl phenyl ether	0.74	ug/L	0.74	10	1.0
Hexachlorobenzene	0.65	ug/L	0.65	10	1.0
Phenanthrene	0.51	ug/L	0.51	10	1.0
Anthracene	0.50	ug/L	0.50	10	1.0
Di-n-butyl phthalate	0.50	ug/L	0.50	10	1.0
Fluoranthene	0.50	ug/L	0.50	10	1.0
Pyrene	0.50	ug/L	0.50	10	1.0
Butyl benzyl phthalate	0.50	ug/L	0.50	10	1.0
Benzo[a]anthracene	0.50	ug/L	0.50	10	1.0
Chrysene	0.50	ug/L	0.50	10	1.0
Bis(2-ethylhexyl) phthalate	1.9	ug/L	1.9	10	1.0
Di-n-octyl phthalate	5.0	ug/L	5.0	10	1.0
Benzo[b]fluoranthene	0.50	ug/L	0.50	10	1.0
Benzo[k]fluoranthene	0.50	ug/L	0.50	10	1.0
Benzo[a]pyrene	0.50	ug/L	0.50	10	1.0
Indeno[1,2,3-cd]pyrene	0.50	ug/L	0.50	10	1.0
Dibenz(a,h)anthracene	0.50	ug/L	0.50	10	1.0
Benzo[g,h,i]perylene	0.50	ug/L	0.50	10	1.0
3,3'-Dichlorobenzidine	5.0	ug/L	5.0	20	1.0
Pentachlorophenol	5.0	ug/L	5.0	50	1.0
N-Nitrosodimethylamine	1.3	ug/L	1.3	10	1.0
Benzoic acid	20	ug/L	20	50	1.0

Surrogate			Acceptance Limits
2-Fluorophenol	23	%	10 - 120
Phenol-d5	29	%	12 - 120
Nitrobenzene-d5	67	%	30 - 120
2-Fluorobiphenyl	65	%	26 - 120
2,4,6-Tribromophenol	36	%	25 - 120
Terphenyl-d14	31	%	10 - 120

<b>Method:</b> 8081A	Date Analyzed:	11/28/2006 1546
<b>Prep Method:</b> 3520C	Date Prepared:	11/16/2006 0723
alpha-BHC	0.0056	ug/L
beta-BHC	0.0056	ug/L
delta-BHC	0.0025	ug/L
Heptachlor	0.0059	ug/L
Aldrin	0.0025	ug/L

Ms. Liz Scaggs  
 Entact Environmental Services, LLC  
 3129 Bass Pro Drive  
 Grapevine, TX 76051

Job Number: 560-2534-1

**Client Sample ID:** R1-A ADJACENT  
**Lab Sample ID:** 560-2534-8

Date Sampled: 11/09/2006 1325  
 Date Received: 11/10/2006 0920  
 Client Matrix: Water

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
<b>Method: 8081A</b>	Date Analyzed:	11/28/2006 1546				
<b>Prep Method: 3520C</b>	Date Prepared:	11/16/2006 0723				
Heptachlor epoxide	0.0028	U	ug/L	0.0028	0.050	1.0
4,4'-DDE	0.0026	U	ug/L	0.0026	0.050	1.0
Endosulfan I	0.0089	U	ug/L	0.0089	0.050	1.0
Dieldrin	0.0083	U	ug/L	0.0083	0.050	1.0
Endrin	0.0025	U	ug/L	0.0025	0.050	1.0
4,4'-DDD	0.0029	U	ug/L	0.0029	0.050	1.0
Endosulfan II	0.0035	U	ug/L	0.0035	0.050	1.0
4,4'-DDT	0.0034	U	ug/L	0.0034	0.050	1.0
Methoxychlor	0.023	U	ug/L	0.023	0.050	1.0
Endosulfan sulfate	0.0039	U	ug/L	0.0039	0.050	1.0
Endrin ketone	0.0073	U	ug/L	0.0073	0.050	1.0
Chlordane (technical)	0.050	U	ug/L	0.050	0.50	1.0
Toxaphene	0.50	U	ug/L	0.50	5.0	1.0
gamma-BHC (Lindane)	0.0027	U	ug/L	0.0027	0.050	1.0
Surrogate					Acceptance Limits	
Tetrachloro-m-xylene	106		%		57 - 127	
DCB Decachlorobiphenyl	19		%		10 - 152	
<b>Method: 8082</b>	Date Analyzed:	11/27/2006 1818				
<b>Prep Method: 3520C</b>	Date Prepared:	11/15/2006 1700				
Aroclor 1016	0.17	U	ug/L	0.17	0.50	1.0
Aroclor 1221	0.17	U	ug/L	0.17	0.50	1.0
Aroclor 1232	0.17	U	ug/L	0.17	0.50	1.0
Aroclor 1242	0.17	U	ug/L	0.17	0.50	1.0
Aroclor 1248	0.17	U	ug/L	0.17	0.50	1.0
Aroclor 1254	0.17	U	ug/L	0.17	0.50	1.0
Aroclor 1260	0.17	U	ug/L	0.17	0.50	1.0
Surrogate					Acceptance Limits	
Tetrachloro-m-xylene	97		%		25 - 140	
DCB Decachlorobiphenyl	24	X	%		42 - 133	
<b>Method: DISS-6020</b>	Date Analyzed:	11/15/2006 2220				
<b>Prep Method: 3010A</b>	Date Prepared:	11/15/2006 1030				
Ag	1.0	U *	ug/L	1.0	5.0	10
As	3.1	J *	ug/L	1.0	5.0	10
Ba	98	B	ug/L	1.0	50	10
Cd	1.0	U	ug/L	1.0	5.0	10

Ms. Liz Scaggs  
Entact Environmental Services, LLC  
3129 Bass Pro Drive  
Grapevine, TX 76051

Job Number: 560-2534-1

Client Sample ID: R1-A ADJACENT  
Lab Sample ID: 560-2534-8

Date Sampled: 11/09/2006 1325  
Date Received: 11/10/2006 0920  
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: DISS-6020</b>	Date Analyzed:	11/15/2006 2220			
<b>Prep Method: 3010A</b>	Date Prepared:	11/15/2006 1030			
Ni	1.0	ug/L	1.0	5.0	10
Pb	1.0	ug/L	1.0	5.0	10
Se	1.0	ug/L	1.0	5.0	10
Zn	50	ug/L	50	100	10
<b>Method: DISS-6020</b>	Date Analyzed:	11/27/2006 1831			
<b>Prep Method: 3010A</b>	Date Prepared:	11/15/2006 1030			
Cr	1.1	ug/L	1.1	20	10
<b>Method: DISS-7470A</b>	Date Analyzed:	11/13/2006 1546			
<b>Prep Method: 7470A</b>	Date Prepared:	11/13/2006 1000			
Hg	0.00015	J	0.00013	0.0020	1.0

Ms. Liz Scaggs  
 Entact Environmental Services, LLC  
 3129 Bass Pro Drive  
 Grapevine, TX 76051

Job Number: 560-2534-1

**Client Sample ID:** TRIP BLANK  
**Lab Sample ID:** 560-2534-9

Date Sampled: 11/09/2006 0000  
 Date Received: 11/10/2006 0920  
 Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
<b>Method: 8260B</b>	Date Analyzed:	11/14/2006 1229			
<b>Prep Method: 5030B</b>	Date Prepared:	11/14/2006 1229			
Chloromethane	0.39	U	ug/L	0.39	5.0
Vinyl chloride	0.20	U	ug/L	0.20	5.0
Bromomethane	0.39	U	ug/L	0.39	5.0
Chloroethane	0.40	U	ug/L	0.40	5.0
1,1-Dichloroethene	0.20	U	ug/L	0.20	5.0
Carbon disulfide	0.20	U	ug/L	0.20	5.0
Methylene Chloride	0.72	J B	ug/L	0.53	50
Acetone	0.46	U	ug/L	0.46	100
trans-1,2-Dichloroethene	0.20	U	ug/L	0.20	5.0
1,1-Dichloroethane	0.20	U	ug/L	0.20	5.0
Vinyl acetate	0.20	U	ug/L	0.20	5.0
Chloroform	0.20	U	ug/L	0.20	5.0
Carbon tetrachloride	0.25	U	ug/L	0.25	5.0
1,1,1-Trichloroethane	0.20	U	ug/L	0.20	5.0
Benzene	0.20	U	ug/L	0.20	5.0
Trichloroethene	0.32	U	ug/L	0.32	5.0
1,2-Dichloropropane	0.20	U	ug/L	0.20	5.0
Bromodichloromethane	0.20	U	ug/L	0.20	5.0
cis-1,3-Dichloropropene	0.20	U	ug/L	0.20	5.0
Toluene	0.20	U	ug/L	0.20	5.0
methyl isobutyl ketone	0.20	U	ug/L	0.20	5.0
trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	5.0
Tetrachloroethene	0.20	U	ug/L	0.20	5.0
1,1,2-Trichloroethane	0.20	U	ug/L	0.20	5.0
Chlorodibromomethane	0.22	U	ug/L	0.22	5.0
2-Hexanone	0.50	U	ug/L	0.50	5.0
Chlorobenzene	0.20	U	ug/L	0.20	5.0
Ethylbenzene	0.20	U	ug/L	0.20	5.0
Bromoform	0.50	U	ug/L	0.50	5.0
Styrene	0.50	U	ug/L	0.50	5.0
1,1,2,2-Tetrachloroethane	0.20	U	ug/L	0.20	5.0
Methyl Ethyl Ketone	0.47	U	ug/L	0.47	5.0
Xylenes, Total	0.90	U	ug/L	0.90	15
Surrogate				Acceptance Limits	
Dibromofluoromethane (Surr)	96	%		80 - 120	
1,2-Dichloroethane-d4 (Surr)	94	%		70 - 120	
Toluene-d8 (Surr)	92	%		80 - 120	
4-Bromofluorobenzene (Surr)	97	%		75 - 120	

## DATA REPORTING QUALIFIERS

Client: Entact Environmental Services, LLC

Job Number: 560-2534-1

Lab Section	Qualifier	Description
GC/MS VOA	B	Compound was found in the blank and sample.
	U	Indicates the analyte was analyzed for but not detected.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC/MS Semi VOA	U	Indicates the analyte was analyzed for but not detected.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC Semi VOA	U	Indicates the analyte was analyzed for but not detected.
	*	LCS or LCSD exceeds the control limits
	F	MS or MSD exceeds the control limits
	X	Surrogate exceeds the control limits
Metals	B	Compound was found in the blank and sample.
	U	Indicates the analyte was analyzed for but not detected.
	*	LCS or LCSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

# **QUALITY CONTROL RESULTS**

## Quality Control Results

Client: Entact Environmental Services, LLC

Job Number: 560-2534-1

### Surrogate Recovery Report

#### 8260B Volatile Organic Compounds by GC/MS

##### Client Matrix: Water

Lab Sample ID	Client Sample	(12DCE) (%Rec)	(BFB) (%Rec)	(DBFM) (%Rec)	(TOL) (%Rec)
560-2534-1	R2-A UP RIVER	100	97	99	91
560-2534-2	R2-B UP RIVER	101	98	99	90
560-2534-3	R2-C UP RIVER	96	96	95	94
560-2534-4	R2-D UP RIVER	95	95	97	92
560-2534-5	R1-D ADJACENT	99	96	98	92
560-2534-6	R1-C ADJACENT	98	97	98	91
560-2534-7	R1-B ADJACENT	96	94	96	92
560-2534-8	R1-A ADJACENT	97	97	96	93
560-2534-9TB	TRIP BLANK	94	97	96	92
LCS 560-6409/1		91	98	93	97
LCS 560-6468/1		91	98	95	95
MB 560-6409/2		96	98	94	93
MB 560-6468/2		97	94	96	93

##### Surrogate Acceptance Limits

(12DCE)	1,2-Dichloroethane-d4 (Surr)	70 - 120
(BFB)	4-Bromofluorobenzene (Surr)	75 - 120
(DBFM)	Dibromofluoromethane (Surr)	80 - 120
(TOL)	Toluene-d8 (Surr)	80 - 120

## Quality Control Results

Client: Enact Environmental Services, LLC

Job Number: 560-2534-1

### Surrogate Recovery Report

#### 8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

##### Client Matrix: Water

Lab Sample ID	Client Sample	(2FP) (%Rec)	(FBP) (%Rec)	(NBZ) (%Rec)	(PHL) (%Rec)	(TBP) (%Rec)	(TPH) (%Rec)
560-2534-1	R2-A UP RIVER	36	70	75	42	49	38
560-2534-2	R2-B UP RIVER	35	69	73	42	51	33
560-2534-3	R2-C UP RIVER	36	66	72	39	47	31
560-2534-4	R2-D UP RIVER	31	54	57	36	42	29
560-2534-5	R1-D ADJACENT	31	59	61	34	41	30
560-2534-6	R1-C ADJACENT	21	49	48	26	37	28
560-2534-7	R1-B ADJACENT	28	61	65	35	43	31
560-2534-8	R1-A ADJACENT	23	65	67	29	36	31
LCS 560-6411/2-AA		57	87	80	60	85	94
MB 560-6411/1-AA		48	75	77	49	72	96

##### Surrogate Acceptance Limits

(2FP)	2-Fluorophenol	10 - 120
(FBP)	2-Fluorobiphenyl	26 - 120
(NBZ)	Nitrobenzene-d5	30 - 120
(PHL)	Phenol-d5	12 - 120
(TBP)	2,4,6-Tribromophenol	25 - 120
(TPH)	Terphenyl-d14	10 - 120

**Quality Control Results**

Client: Entact Environmental Services, LLC

Job Number: 560-2534-1

**Surrogate Recovery Report****8081A Organochlorine Pesticides by Gas Chromatography****Client Matrix: Water**

Lab Sample ID	Client Sample	(DCB 1) (%Rec)	(DCB 2) (%Rec)	(TCX 1) (%Rec)	(TCX 2) (%Rec)
560-2534-1	R2-A UP RIVER	25		120	
560-2534-2	R2-B UP RIVER	22		111	
560-2534-3	R2-C UP RIVER	24		123	
560-2534-4	R2-D UP RIVER	19		84	
560-2534-5	R1-D ADJACENT	29		141 X	
560-2534-6	R1-C ADJACENT	24		117	
560-2534-7	R1-B ADJACENT	37		177 X	
560-2534-8	R1-A ADJACENT	19		106	
560-2534-8MS	R1-A ADJACENT	17		107	
560-2534-8MSD	R1-A ADJACENT	22		113	
LCS 560-6501/2-AA		85		118	
LCS 560-6551/2-AA			55		106
LCSD 560-6551/3-AA			40		100
MB 560-6501/1-AA		77		144 X	
MB 560-6551/1-AA			34		110

**Surrogate** **Acceptance Limits**

(DCB 1)	DCB Decachlorobiphenyl	10 - 152
(TCX 1)	Tetrachloro-m-xylene	57 - 127

**Quality Control Results**

Client: Entact Environmental Services, LLC

Job Number: 560-2534-1

**Surrogate Recovery Report****8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography****Client Matrix: Water**

Lab Sample ID	Client Sample	(DCB 1) (%Rec)	(TCX 1) (%Rec)
560-2534-1	R2-A UP RIVER	24 X	90
560-2534-2	R2-B UP RIVER	20 X	81
560-2534-3	R2-C UP RIVER	23 X	93
560-2534-4	R2-D UP RIVER	18 X	92
560-2534-5	R1-D ADJACENT	25 X	87
560-2534-6	R1-C ADJACENT	24 X	88
560-2534-7	R1-B ADJACENT	29 X	93
560-2534-8	R1-A ADJACENT	24 X	97
560-2534-7MS	R1-B ADJACENT	26 X	89
560-2534-7MSD	R1-B ADJACENT	24 X	94
LCS 560-6500/2-AA		66	94
LCS 560-6550/2-AA		30 X	111
LCSD 560-6550/3-AA		39 X	114
MB 560-6500/1-AA		75	127
MB 560-6550/1-AA		31 X	103

**Surrogate** **Acceptance Limits**

(DCB 1)	DCB Decachlorobiphenyl	42 - 133
(TCX 1)	Tetrachloro-m-xylene	25 - 140

## Quality Control Results

Client: Entact Environmental Services, LLC

Job Number: 560-2534-1

### Method Blank - Batch: 560-6409

Lab Sample ID: MB 560-6409/2  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 11/13/2006 1039  
Date Prepared: 11/13/2006 1039

Analysis Batch: 560-6409  
Prep Batch: N/A  
Units: ug/L

### Method: 8260B Preparation: 5030B

Instrument ID: Hewlett Packard GCMS  
Lab File ID: 11130607.D  
Initial Weight/Volume: 5 mL  
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Chloromethane	0.39	U	0.39	5.0
Vinyl chloride	0.20	U	0.20	5.0
Bromomethane	0.39	U	0.39	5.0
Chloroethane	0.40	U	0.40	5.0
1,1-Dichloroethene	0.20	U	0.20	5.0
Carbon disulfide	0.20	U	0.20	5.0
Methylene Chloride	0.62	J	0.53	50
Acetone	0.46	U	0.46	100
trans-1,2-Dichloroethene	0.20	U	0.20	5.0
1,1-Dichloroethane	0.20	U	0.20	5.0
Vinyl acetate	0.20	U	0.20	5.0
Chloroform	0.20	U	0.20	5.0
Carbon tetrachloride	0.25	U	0.25	5.0
1,1,1-Trichloroethane	0.20	U	0.20	5.0
Benzene	0.20	U	0.20	5.0
Trichloroethene	0.32	U	0.32	5.0
1,2-Dichloropropane	0.20	U	0.20	5.0
Bromodichloromethane	0.20	U	0.20	5.0
cis-1,3-Dichloropropene	0.20	U	0.20	5.0
Toluene	0.20	U	0.20	5.0
methyl isobutyl ketone	0.20	U	0.20	5.0
trans-1,3-Dichloropropene	0.50	U	0.50	5.0
Tetrachloroethene	0.20	U	0.20	5.0
1,1,2-Trichloroethane	0.20	U	0.20	5.0
Chlorodibromomethane	0.22	U	0.22	5.0
2-Hexanone	0.50	U	0.50	5.0
Chlorobenzene	0.20	U	0.20	5.0
Ethylbenzene	0.20	U	0.20	5.0
Bromoform	0.50	U	0.50	5.0
Styrene	0.50	U	0.50	5.0
1,1,2,2-Tetrachloroethane	0.20	U	0.20	5.0
Methyl Ethyl Ketone	0.47	U	0.47	5.0
Xylenes, Total	0.90	U	0.90	15

Surrogate	% Rec	Acceptance Limits
Dibromofluoromethane (Surr)	94	80 - 120
1,2-Dichloroethane-d4 (Surr)	96	70 - 120
Toluene-d8 (Surr)	93	80 - 120
4-Bromofluorobenzene (Surr)	98	75 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Entact Environmental Services, LLC

Job Number: 560-2534-1

### **Lab Control Spike - Batch: 560-6409**

**Method: 8260B**

**Preparation: 5030B**

Lab Sample ID: LCS 560-6409/1

Analysis Batch: 560-6409

Instrument ID: Hewlett Packard GCMS

Client Matrix: Water

Prep Batch: N/A

Lab File ID: 11130604.D

Dilution: 1.0

Units: ug/L

Initial Weight/Volume: 5 mL

Date Analyzed: 11/13/2006 0925

Final Weight/Volume: 5 mL

Date Prepared: 11/13/2006 0925

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloromethane	50.0	49.4	99	40 - 125	
Vinyl chloride	50.0	46.0	92	50 - 145	
Bromomethane	50.0	49.0	98	30 - 145	
Chloroethane	50.0	46.2	92	60 - 135	
1,1-Dichloroethene	50.0	45.3	91	70 - 130	
Carbon disulfide	50.0	42.3	85	35 - 160	
Methylene Chloride	50.0	49.7	99	55 - 140	J
Acetone	50.0	48.1	96	40 - 140	J
trans-1,2-Dichloroethene	50.0	46.4	93	60 - 140	
1,1-Dichloroethane	50.0	46.6	93	70 - 135	
Vinyl acetate	50.0	47.5	95	80 - 148	
Chloroform	50.0	47.7	95	65 - 135	
Carbon tetrachloride	50.0	48.4	97	65 - 140	
1,1,1-Trichloroethane	50.0	47.6	95	65 - 130	
Benzene	50.0	49.3	99	80 - 120	
Trichloroethene	50.0	50.9	102	70 - 125	
1,2-Dichloropropane	50.0	50.0	100	75 - 125	
Bromodichloromethane	50.0	53.1	106	75 - 120	
cis-1,3-Dichloropropene	50.0	45.0	90	70 - 130	
Toluene	50.0	51.0	102	75 - 120	
methyl isobutyl ketone	50.0	49.0	98	60 - 135	
trans-1,3-Dichloropropene	50.0	60.3	121	55 - 140	
Tetrachloroethene	50.0	52.0	104	45 - 150	
1,1,2-Trichloroethane	50.0	53.1	106	75 - 125	
Chlorodibromomethane	50.0	54.0	108	60 - 135	
2-Hexanone	50.0	48.9	98	55 - 130	
Chlorobenzene	50.0	50.1	100	80 - 120	
Ethylbenzene	50.0	51.7	103	75 - 125	
Bromoform	50.0	49.2	98	70 - 130	
Styrene	50.0	57.9	116	65 - 135	
1,1,2,2-Tetrachloroethane	50.0	50.1	100	65 - 130	
Methyl Ethyl Ketone	50.0	44.7	89	30 - 150	
Xylenes, Total	150	150	100	80 - 120	
Surrogate		% Rec		Acceptance Limits	
Dibromofluoromethane (Surr)		93		80 - 120	
1,2-Dichloroethane-d4 (Surr)		91		70 - 120	
Toluene-d8 (Surr)		97		80 - 120	
4-Bromofluorobenzene (Surr)		98		75 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Entact Environmental Services, LLC

Job Number: 560-2534-1

### Method Blank - Batch: 560-6468

Lab Sample ID: MB 560-6468/2  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 11/14/2006 1205  
Date Prepared: 11/14/2006 1205

Analysis Batch: 560-6468  
Prep Batch: N/A  
Units: ug/L

### Method: 8260B Preparation: 5030B

Instrument ID: Hewlett Packard GCMS  
Lab File ID: 11140607.D  
Initial Weight/Volume: 5 mL  
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Chloromethane	0.39	U	0.39	5.0
Vinyl chloride	0.20	U	0.20	5.0
Bromomethane	0.39	U	0.39	5.0
Chloroethane	0.40	U	0.40	5.0
1,1-Dichloroethene	0.20	U	0.20	5.0
Carbon disulfide	0.20	U	0.20	5.0
Methylene Chloride	0.93	J	0.53	50
Acetone	0.46	U	0.46	100
trans-1,2-Dichloroethene	0.20	U	0.20	5.0
1,1-Dichloroethane	0.20	U	0.20	5.0
Vinyl acetate	0.20	U	0.20	5.0
Chloroform	0.20	U	0.20	5.0
Carbon tetrachloride	0.25	U	0.25	5.0
1,1,1-Trichloroethane	0.20	U	0.20	5.0
Benzene	0.20	U	0.20	5.0
Trichloroethene	0.32	U	0.32	5.0
1,2-Dichloropropane	0.20	U	0.20	5.0
Bromodichloromethane	0.20	U	0.20	5.0
cis-1,3-Dichloropropene	0.20	U	0.20	5.0
Toluene	0.20	U	0.20	5.0
methyl isobutyl ketone	0.20	U	0.20	5.0
trans-1,3-Dichloropropene	0.50	U	0.50	5.0
Tetrachloroethene	0.20	U	0.20	5.0
1,1,2-Trichloroethane	0.20	U	0.20	5.0
Chlorodibromomethane	0.22	U	0.22	5.0
2-Hexanone	0.50	U	0.50	5.0
Chlorobenzene	0.20	U	0.20	5.0
Ethylbenzene	0.20	U	0.20	5.0
Bromoform	0.50	U	0.50	5.0
Styrene	0.50	U	0.50	5.0
1,1,2,2-Tetrachloroethane	0.20	U	0.20	5.0
Methyl Ethyl Ketone	0.47	U	0.47	5.0
Xylenes, Total	0.90	U	0.90	15

Surrogate	% Rec	Acceptance Limits
Dibromofluoromethane (Surr)	96	80 - 120
1,2-Dichloroethane-d4 (Surr)	97	70 - 120
Toluene-d8 (Surr)	93	80 - 120
4-Bromofluorobenzene (Surr)	94	75 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Entact Environmental Services, LLC

Job Number: 560-2534-1

**Lab Control Spike - Batch: 560-6468**

**Method: 8260B**

**Preparation: 5030B**

Lab Sample ID: LCS 560-6468/1

Analysis Batch: 560-6468

Instrument ID: Hewlett Packard GCMS

Client Matrix: Water

Prep Batch: N/A

Lab File ID: 11140604.D

Dilution: 1.0

Units: ug/L

Initial Weight/Volume: 5 mL

Date Analyzed: 11/14/2006 1051

Final Weight/Volume: 5 mL

Date Prepared: 11/14/2006 1051

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloromethane	50.0	52.3	105	40 - 125	
Vinyl chloride	50.0	47.9	96	50 - 145	
Bromomethane	50.0	57.0	114	30 - 145	
Chloroethane	50.0	50.2	100	60 - 135	
1,1-Dichloroethene	50.0	45.4	91	70 - 130	
Carbon disulfide	50.0	43.1	86	35 - 160	
Methylene Chloride	50.0	51.6	103	55 - 140	
Acetone	50.0	54.1	108	40 - 140	J
trans-1,2-Dichloroethene	50.0	47.5	95	60 - 140	
1,1-Dichloroethane	50.0	47.3	95	70 - 135	
Vinyl acetate	50.0	49.1	98	80 - 148	
Chloroform	50.0	48.9	98	65 - 135	
Carbon tetrachloride	50.0	50.6	101	65 - 140	
1,1,1-Trichloroethane	50.0	50.6	101	65 - 130	
Benzene	50.0	48.7	97	80 - 120	
Trichloroethene	50.0	50.6	101	70 - 125	
1,2-Dichloropropane	50.0	50.1	100	75 - 125	
Bromodichloromethane	50.0	52.5	105	75 - 120	
cis-1,3-Dichloropropene	50.0	44.4	89	70 - 130	
Toluene	50.0	50.6	101	75 - 120	
methyl isobutyl ketone	50.0	49.2	98	60 - 135	
trans-1,3-Dichloropropene	50.0	60.0	120	55 - 140	
Tetrachloroethene	50.0	52.3	105	45 - 150	
1,1,2-Trichloroethane	50.0	53.5	107	75 - 125	
Chlorodibromomethane	50.0	54.4	109	60 - 135	
2-Hexanone	50.0	50.9	102	55 - 130	
Chlorobenzene	50.0	51.2	102	80 - 120	
Ethylbenzene	50.0	52.0	104	75 - 125	
Bromoform	50.0	49.8	100	70 - 130	
Styrene	50.0	58.6	117	65 - 135	
1,1,2,2-Tetrachloroethane	50.0	50.1	100	65 - 130	
Methyl Ethyl Ketone	50.0	46.5	93	30 - 150	
Xylenes, Total	150	152	101	80 - 120	
Surrogate		% Rec		Acceptance Limits	
Dibromofluoromethane (Surr)		95		80 - 120	
1,2-Dichloroethane-d4 (Surr)		91		70 - 120	
Toluene-d8 (Surr)		95		80 - 120	
4-Bromofluorobenzene (Surr)		98		75 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Entact Environmental Services, LLC

Job Number: 560-2534-1

**Method Blank - Batch: 560-6411**

**Method: 8270C**

**Preparation: 3520C**

Lab Sample ID: MB 560-6411/1-AA  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 11/15/2006 1809  
Date Prepared: 11/13/2006 0817

Analysis Batch: 560-6534  
Prep Batch: 560-6411  
Units: ug/L

Instrument ID: Agilent GCMS [Method 827]  
Lab File ID: 11150604.D  
Initial Weight/Volume: 1000 mL  
Final Weight/Volume: 1 mL  
Injection Volume:

Analyte	Result	Qual	MDL	RL
Phenol	0.50	U	0.50	10
Bis(2-chloroethyl)ether	0.71	U	0.71	10
2-Chlorophenol	0.50	U	0.50	10
1,3-Dichlorobenzene	0.53	U	0.53	10
1,4-Dichlorobenzene	0.74	U	0.74	10
Benzyl alcohol	1.4	U	1.4	20
1,2-Dichlorobenzene	0.50	U	0.50	10
2-Methylphenol	0.50	U	0.50	10
Bis(2-chloroisopropyl) ether	0.57	U	0.57	10
3 & 4 Methylphenol	0.88	U	0.88	10
N-Nitrosodi-n-propylamine	0.65	U	0.65	10
Hexachloroethane	0.58	U	0.58	10
Nitrobenzene	0.50	U	0.50	10
2-Nitrophenol	0.50	U	0.50	10
2,4-Dimethylphenol	0.56	U	0.56	10
Bis(2-chloroethoxy)methane	0.59	U	0.59	10
2,4-Dichlorophenol	0.50	U	0.50	10
1,2,4-Trichlorobenzene	0.59	U	0.59	10
Naphthalene	0.50	U	0.50	10
4-Chloroaniline	0.50	U	0.50	10
Hexachlorobutadiene	0.50	U	0.50	10
4-Chloro-3-methylphenol	0.50	U	0.50	10
2-Methylnaphthalene	0.50	U	0.50	10
Hexachlorocyclopentadiene	20	U	20	50
2,4,6-Trichlorophenol	0.50	U	0.50	10
2,4,5-Trichlorophenol	0.50	U	0.50	10
2-Chloronaphthalene	0.50	U	0.50	10
2-Nitroaniline	5.0	U	5.0	50
Dimethyl phthalate	0.55	U	0.55	10
Acenaphthylene	0.50	U	0.50	10
2,6-Dinitrotoluene	0.52	U	0.52	10
3-Nitroaniline	1.8	U	1.8	50
Acenaphthene	0.57	U	0.57	10
2,4-Dinitrophenol	20	U	20	50
4-Nitrophenol	10	U	10	50
2,4-Dinitrotoluene	5.0	U	5.0	10
Diethyl phthalate	0.52	U	0.52	10
Fluorene	0.61	U	0.61	10
4-Chlorophenyl phenyl ether	0.52	U	0.52	10
4-Nitroaniline	1.5	U	1.5	50
4,6-Dinitro-2-methylphenol	5.0	U	5.0	50

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Entact Environmental Services, LLC

Job Number: 560-2534-1

### Method Blank - Batch: 560-6411

Lab Sample ID: MB 560-6411/1-AA  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 11/15/2006 1809  
Date Prepared: 11/13/2006 0817

Analysis Batch: 560-6534  
Prep Batch: 560-6411  
Units: ug/L

### Method: 8270C Preparation: 3520C

Instrument ID: Agilent GCMS [Method 827]  
Lab File ID: 11150604.D  
Initial Weight/Volume: 1000 mL  
Final Weight/Volume: 1 mL  
Injection Volume:

Analyte	Result	Qual	MDL	RL
N-Nitrosodiphenylamine	0.51	U	0.51	10
4-Bromophenyl phenyl ether	0.74	U	0.74	10
Hexachlorobenzene	0.65	U	0.65	10
Phenanthrene	0.51	U	0.51	10
Anthracene	0.50	U	0.50	10
Di-n-butyl phthalate	0.50	U	0.50	10
Fluoranthene	0.50	U	0.50	10
Pyrene	0.50	U	0.50	10
Butyl benzyl phthalate	0.50	U	0.50	10
Benzo[a]anthracene	0.50	U	0.50	10
Chrysene	0.50	U	0.50	10
Bis(2-ethylhexyl) phthalate	1.9	U	1.9	10
Di-n-octyl phthalate	5.0	U	5.0	10
Benzo[b]fluoranthene	0.50	U	0.50	10
Benzo[k]fluoranthene	0.50	U	0.50	10
Benzo[a]pyrene	0.50	U	0.50	10
Indeno[1,2,3-cd]pyrene	0.50	U	0.50	10
Dibenz(a,h)anthracene	0.50	U	0.50	10
Benzo[g,h,i]perylene	0.50	U	0.50	10
3,3'-Dichlorobenzidine	5.0	U	5.0	20
Pentachlorophenol	5.0	U	5.0	50
N-Nitrosodimethylamine	1.3	U	1.3	10
Benzoic acid	20	U	20	50

Surrogate	% Rec	Acceptance Limits
2-Fluorophenol	48	10 - 120
Phenol-d5	49	12 - 120
Nitrobenzene-d5	77	30 - 120
2-Fluorobiphenyl	75	26 - 120
2,4,6-Tribromophenol	72	25 - 120
Terphenyl-d14	96	10 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Entact Environmental Services, LLC

Job Number: 560-2534-1

### Lab Control Spike - Batch: 560-6411

Method: 8270C

Preparation: 3520C

Lab Sample ID: LCS 560-6411/2-AA  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 11/15/2006 1838  
Date Prepared: 11/13/2006 0817

Analysis Batch: 560-6534  
Prep Batch: 560-6411  
Units: ug/L

Instrument ID: Agilent GCMS [Method 827  
Lab File ID: 11150605.D  
Initial Weight/Volume: 1000 mL  
Final Weight/Volume: 1 mL  
Injection Volume:

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Phenol	100	60.7	61	20 - 120	
Bis(2-chloroethyl)ether	100	75.3	75	35 - 110	
2-Chlorophenol	100	68.8	69	35 - 105	
1,3-Dichlorobenzene	100	55.5	56	30 - 100	
1,4-Dichlorobenzene	100	57.4	57	30 - 100	
Benzyl alcohol	100	77.7	78	30 - 110	
1,2-Dichlorobenzene	100	58.3	58	35 - 100	
2-Methylphenol	100	69.0	69	40 - 110	
Bis(2-chloroisopropyl) ether	100	77.4	77	25 - 130	
3 & 4 Methylphenol	200	131	65	30 - 110	
N-Nitrosodi-n-propylamine	100	77.5	77	35 - 130	
Hexachloroethane	100	53.3	53	30 - 95	
Nitrobenzene	100	74.3	74	45 - 110	
2-Nitrophenol	100	73.8	74	40 - 115	
2,4-Dimethylphenol	100	57.9	58	30 - 110	
Bis(2-chloroethoxy)methane	100	77.4	77	45 - 105	
2,4-Dichlorophenol	100	73.4	73	50 - 105	
1,2,4-Trichlorobenzene	100	69.8	70	35 - 105	
Naphthalene	100	73.0	73	40 - 100	
4-Chloroaniline	100	71.6	72	15 - 110	
Hexachlorobutadiene	100	65.8	66	25 - 105	
4-Chloro-3-methylphenol	100	71.9	72	45 - 110	
2-Methylnaphthalene	100	74.0	74	45 - 105	
Hexachlorocyclopentadiene	100	22.3	22	10 - 120	J
2,4,6-Trichlorophenol	100	77.2	77	50 - 115	
2,4,5-Trichlorophenol	100	76.6	77	50 - 110	
2-Chloronaphthalene	100	79.7	80	50 - 105	
2-Nitroaniline	100	79.5	79	50 - 115	
Dimethyl phthalate	100	80.5	81	25 - 125	
Acenaphthylene	100	81.3	81	50 - 105	
2,6-Dinitrotoluene	100	81.3	81	50 - 115	
3-Nitroaniline	100	76.8	77	20 - 125	
Acenaphthene	100	82.1	82	45 - 110	
2,4-Dinitrophenol	100	77.8	78	15 - 140	
4-Nitrophenol	100	66.3	66	20 - 120	
2,4-Dinitrotoluene	100	81.5	82	50 - 120	
Diethyl phthalate	100	80.9	81	40 - 120	
Fluorene	100	82.5	83	50 - 110	
4-Chlorophenyl phenyl ether	100	83.4	83	50 - 110	
4-Nitroaniline	100	79.0	79	35 - 120	
4,6-Dinitro-2-methylphenol	100	88.2	88	40 - 130	

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Entact Environmental Services, LLC

Job Number: 560-2534-1

### **Lab Control Spike - Batch: 560-6411**

**Method: 8270C**

**Preparation: 3520C**

Lab Sample ID: LCS 560-6411/2-AA

Analysis Batch: 560-6534

Instrument ID: Agilent GCMS [Method 827]

Client Matrix: Water

Prep Batch: 560-6411

Lab File ID: 11150605.D

Dilution: 1.0

Units: ug/L

Initial Weight/Volume: 1000 mL

Date Analyzed: 11/15/2006 1838

Final Weight/Volume: 1 mL

Date Prepared: 11/13/2006 0817

Injection Volume:

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
N-Nitrosodiphenylamine	100	77.8	78	50 - 110	
4-Bromophenyl phenyl ether	100	83.8	84	50 - 115	
Hexachlorobenzene	100	83.0	83	50 - 110	
Phenanthrene	100	84.1	84	50 - 115	
Anthracene	100	83.8	84	55 - 110	
Di-n-butyl phthalate	100	85.0	85	55 - 115	
Fluoranthene	100	84.6	85	55 - 115	
Pyrene	100	85.1	85	50 - 130	
Butyl benzyl phthalate	100	82.3	82	45 - 115	
Benzo[a]anthracene	100	86.0	86	55 - 110	
Chrysene	100	85.6	86	55 - 110	
Bis(2-ethylhexyl) phthalate	100	84.7	85	40 - 125	
Di-n-octyl phthalate	100	82.4	82	35 - 135	
Benzo[b]fluoranthene	100	89.8	90	45 - 120	
Benzo[k]fluoranthene	100	86.4	86	45 - 125	
Benzo[a]pyrene	100	84.7	85	55 - 110	
Indeno[1,2,3-cd]pyrene	100	87.9	88	45 - 125	
Dibenz(a,h)anthracene	100	86.3	86	40 - 125	
Benzo[g,h,i]perylene	100	86.3	86	40 - 125	
3,3'-Dichlorobenzidine	100	72.8	73	20 - 110	
Pentachlorophenol	100	80.2	80	40 - 115	
N-Nitrosodimethylamine	100	73.2	73	25 - 110	
Benzoic acid	100	45.5	46	10 - 121	J

Surrogate	% Rec	Acceptance Limits
2-Fluorophenol	57	10 - 120
Phenol-d5	60	12 - 120
Nitrobenzene-d5	80	30 - 120
2-Fluorobiphenyl	87	26 - 120
2,4,6-Tribromophenol	85	25 - 120
Terphenyl-d14	94	10 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Entact Environmental Services, LLC

Job Number: 560-2534-1

**Method Blank - Batch: 560-6501**

Lab Sample ID: MB 560-6501/1-AA  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 11/28/2006 1139  
Date Prepared: 11/16/2006 0723

Analysis Batch: 560-6735  
Prep Batch: 560-6501  
Units: ug/L

**Method: 8081A**  
**Preparation: 3520C**

Instrument ID: Agilent GC [Method 8081]  
Lab File ID: 11280612.D  
Initial Weight/Volume: 1000 mL  
Final Weight/Volume: 10 mL  
Injection Volume:  
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
alpha-BHC	0.0056	U	0.0056	0.050
beta-BHC	0.0056	U	0.0056	0.050
delta-BHC	0.0025	U	0.0025	0.050
Heptachlor	0.0059	U	0.0059	0.050
Aldrin	0.0025	U	0.0025	0.050
Heptachlor epoxide	0.0028	U	0.0028	0.050
4,4'-DDE	0.0026	U	0.0026	0.050
Endosulfan I	0.0089	U	0.0089	0.050
Dieldrin	0.0083	U	0.0083	0.050
Endrin	0.0025	U	0.0025	0.050
4,4'-DDD	0.0029	U	0.0029	0.050
Endosulfan II	0.0035	U	0.0035	0.050
4,4'-DDT	0.0034	U	0.0034	0.050
Methoxychlor	0.023	U	0.023	0.050
Endosulfan sulfate	0.0039	U	0.0039	0.050
Endrin ketone	0.0073	U	0.0073	0.050
Chlordane (technical)	0.050	U	0.050	0.50
Toxaphene	0.50	U	0.50	5.0
gamma-BHC (Lindane)	0.0027	U	0.0027	0.050
Surrogate	% Rec		Acceptance Limits	
Tetrachloro-m-xylene	144	X	57 - 127	
DCB Decachlorobiphenyl	77		10 - 152	

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Entact Environmental Services, LLC

Job Number: 560-2534-1

### Lab Control Spike - Batch: 560-6501

Method: 8081A

Preparation: 3520C

Lab Sample ID: LCS 560-6501/2-AA

Analysis Batch: 560-6735

Instrument ID: Agilent GC [Method 8081]

Client Matrix: Water

Prep Batch: 560-6501

Lab File ID: 11280614.D

Dilution: 1.0

Units: ug/L

Initial Weight/Volume: 1000 mL

Date Analyzed: 11/28/2006 1202

Final Weight/Volume: 10 mL

Date Prepared: 11/16/2006 0723

Injection Volume:

Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
alpha-BHC	0.500	0.593	119	60 - 130	
beta-BHC	0.500	0.554	111	65 - 125	
delta-BHC	0.500	0.561	112	45 - 135	
Heptachlor	0.500	0.552	110	40 - 130	
Aldrin	0.500	0.558	112	25 - 140	
Heptachlor epoxide	0.500	0.549	110	60 - 130	
4,4'-DDE	0.500	0.556	111	35 - 140	
Endosulfan I	0.500	0.366	73	50 - 110	
Dieldrin	0.500	0.542	108	60 - 130	
Endrin	0.500	0.493	99	55 - 135	
4,4'-DDD	0.500	0.544	109	25 - 150	
Endosulfan II	0.500	0.406	81	30 - 130	
4,4'-DDT	0.500	0.549	110	45 - 140	
Methoxychlor	0.500	0.494	99	55 - 150	
Endosulfan sulfate	0.500	0.551	110	55 - 135	
Endrin ketone	0.500	0.536	107	75 - 125	
gamma-BHC (Lindane)	0.500	0.574	115	25 - 135	
Surrogate		% Rec		Acceptance Limits	
Tetrachloro-m-xylene		118		57 - 127	
DCB Decachlorobiphenyl		85		10 - 152	

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Entact Environmental Services, LLC

Job Number: 560-2534-1

### Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 560-6501

Method: 8081A  
Preparation: 3520C

MS Lab Sample ID: 560-2534-8  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 11/28/2006 1610  
Date Prepared: 11/16/2006 0723

Analysis Batch: 560-6735  
Prep Batch: 560-6501

Instrument ID: Agilent GC [Method 8081]  
Lab File ID: 11280634.D  
Initial Weight/Volume: 1000 mL  
Final Weight/Volume: 10 mL  
Injection Volume:  
Column ID: PRIMARY

MSD Lab Sample ID: 560-2534-8  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 11/28/2006 1633  
Date Prepared: 11/16/2006 0723

Analysis Batch: 560-6735  
Prep Batch: 560-6501

Instrument ID: Agilent GC [Method 8081]  
Lab File ID: 11280636.D  
Initial Weight/Volume: 1000 mL  
Final Weight/Volume: 10 mL  
Injection Volume:  
Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
alpha-BHC	109	114	60 - 130	4	30		
beta-BHC	98	108	65 - 125	9	30		
delta-BHC	111	118	45 - 135	6	30		
Heptachlor	78	83	40 - 130	6	30		
Aldrin	62	68	25 - 140	10	30		
Heptachlor epoxide	90	96	60 - 130	7	30		
4,4'-DDE	44	53	35 - 140	19	30		
Endosulfan I	63	69	50 - 110	9	30		
Dieldrin	85	94	60 - 130	9	30		
Endrin	85	96	55 - 135	12	30		
4,4'-DDD	68	77	25 - 150	13	30		
Endosulfan II	66	73	30 - 130	10	30		
4,4'-DDT	45	55	45 - 140	19	30		
Methoxychlor	69	78	55 - 150	12	30		
Endosulfan sulfate	99	108	55 - 135	9	30		
Endrin ketone	96	103	75 - 125	7	30		
gamma-BHC (Lindane)	105	109	25 - 135	4	30		
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
Tetrachloro-m-xylene	107		113		57 - 127		
DCB Decachlorobiphenyl	17		22		10 - 152		

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Entact Environmental Services, LLC

Job Number: 560-2534-1

### Method Blank - Batch: 560-6551

Lab Sample ID: MB 560-6551/1-AA  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 11/23/2006 0255  
Date Prepared: 11/16/2006 1700

Analysis Batch: 560-6710  
Prep Batch: 560-6551  
Units: ug/L

### Method: 8081A Preparation: 3520C

Instrument ID: Agilent GC [Method 8081]  
Lab File ID: 11220697.D  
Initial Weight/Volume: 1000 mL  
Final Weight/Volume: 10 mL  
Injection Volume:  
Column ID: SECONDARY

Analyte	Result	Qual	MDL	RL
alpha-BHC	0.0056	U	0.0056	0.050
beta-BHC	0.0056	U	0.0056	0.050
delta-BHC	0.0025	U	0.0025	0.050
Heptachlor	0.0059	U	0.0059	0.050
Aldrin	0.0025	U	0.0025	0.050
Heptachlor epoxide	0.0028	U	0.0028	0.050
4,4'-DDE	0.0026	U	0.0026	0.050
Endosulfan I	0.0089	U	0.0089	0.050
Dieldrin	0.0083	U	0.0083	0.050
Endrin	0.0025	U	0.0025	0.050
4,4'-DDD	0.0029	U	0.0029	0.050
Endosulfan II	0.0035	U	0.0035	0.050
4,4'-DDT	0.0034	U	0.0034	0.050
Methoxychlor	0.023	U	0.023	0.050
Endosulfan sulfate	0.0039	U	0.0039	0.050
Endrin ketone	0.0073	U	0.0073	0.050
Chlordane (technical)	0.050	U	0.050	0.50
Toxaphene	0.50	U	0.50	5.0
gamma-BHC (Lindane)	0.0027	U	0.0027	0.050
Surrogate	% Rec	Acceptance Limits		
Tetrachloro-m-xylene	110	57 - 127		
DCB Decachlorobiphenyl	34	10 - 152		

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Entact Environmental Services, LLC

Job Number: 560-2534-1

**Lab Control Spike/  
Lab Control Spike Duplicate Recovery Report - Batch: 560-6551**

**Method: 8081A  
Preparation: 3520C**

LCS Lab Sample ID: LCS 560-6551/2-AA

Analysis Batch: 560-6710

Instrument ID: Agilent GC [Method 8081]

Client Matrix: Water

Prep Batch: 560-6551

Lab File ID: 11220699.D

Dilution:

1.0

Units: ug/L

Initial Weight/Volume: 1000 mL

Date Analyzed: 11/23/2006 0319

Final Weight/Volume: 10 mL

Date Prepared: 11/16/2006 1700

Injection Volume:

Column ID: SECONDARY

LCSD Lab Sample ID: LCSD 560-6551/3-AA

Analysis Batch: 560-6710

Instrument ID: Agilent GC [Method 8081]

Client Matrix: Water

Prep Batch: 560-6551

Lab File ID: 11220701.D

Dilution:

1.0

Units: ug/L

Initial Weight/Volume: 1000 mL

Date Analyzed: 11/23/2006 0342

Final Weight/Volume: 10 mL

Date Prepared: 11/16/2006 1700

Injection Volume:

Column ID: SECONDARY

Analyte	% Rec.						
	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
alpha-BHC	113	112	60 - 130	1	30		
beta-BHC	110	109	65 - 125	0	30		
delta-BHC	111	109	45 - 135	1	30		
Heptachlor	104	100	40 - 130	4	30		
Aldrin	107	103	25 - 140	4	30		
Heptachlor epoxide	110	107	60 - 130	2	30		
4,4'-DDE	81	78	35 - 140	3	30		
Endosulfan I	112	108	50 - 110	3	30	*	
Dieldrin	109	106	60 - 130	3	30		
Endrin	119	112	55 - 135	6	30		
4,4'-DDD	121	116	25 - 150	4	30		
Endosulfan II	84	82	30 - 130	3	30		
4,4'-DDT	112	105	45 - 140	6	30		
Methoxychlor	113	105	55 - 150	7	30		
Endosulfan sulfate	111	106	55 - 135	5	30		
Endrin ketone	111	106	75 - 125	5	30		
gamma-BHC (Lindane)	115	113	25 - 135	1	30		
Surrogate		LCS % Rec	LCSD % Rec	Acceptance Limits			
Tetrachloro-m-xylene		106	100	57 - 127			
DCB Decachlorobiphenyl		55	40	10 - 152			

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Entact Environmental Services, LLC

Job Number: 560-2534-1

### Method Blank - Batch: 560-6500

Lab Sample ID: MB 560-6500/1-AA  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 11/27/2006 1446  
Date Prepared: 11/15/2006 1700

Analysis Batch: 560-6721  
Prep Batch: 560-6500  
Units: ug/L

### Method: 8082

### Preparation: 3520C

Instrument ID: Hewlett Packard GC [Meth]  
Lab File ID: 11270611.D  
Initial Weight/Volume: 1000 mL  
Final Weight/Volume: 10 mL  
Injection Volume:  
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor 1016	0.17	U	0.17	0.50
Aroclor 1221	0.17	U	0.17	0.50
Aroclor 1232	0.17	U	0.17	0.50
Aroclor 1242	0.17	U	0.17	0.50
Aroclor 1248	0.17	U	0.17	0.50
Aroclor 1254	0.17	U	0.17	0.50
Aroclor 1260	0.17	U	0.17	0.50

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	127	25 - 140
DCB Decachlorobiphenyl	75	42 - 133

### Lab Control Spike - Batch: 560-6500

Lab Sample ID: LCS 560-6500/2-AA  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 11/27/2006 1504  
Date Prepared: 11/15/2006 1700

Analysis Batch: 560-6721  
Prep Batch: 560-6500  
Units: ug/L

### Method: 8082

### Preparation: 3520C

Instrument ID: Hewlett Packard GC [Meth]  
Lab File ID: 11270612.D  
Initial Weight/Volume: 1000 mL  
Final Weight/Volume: 10 mL  
Injection Volume:  
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor 1016	10.0	11.1	111	50 - 135	
Aroclor 1260	10.0	8.97	90	50 - 135	
Surrogate	% Rec				Acceptance Limits
Tetrachloro-m-xylene	94				25 - 140
DCB Decachlorobiphenyl	66				42 - 133

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Entact Environmental Services, LLC

Job Number: 560-2534-1

### Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 560-6500

Method: 8082  
Preparation: 3520C

MS Lab Sample ID: 560-2534-7      Analysis Batch: 560-6721  
Client Matrix: Water      Prep Batch: 560-6500  
Dilution: 1.0  
Date Analyzed: 11/27/2006 1743  
Date Prepared: 11/15/2006 1700

Instrument ID: Hewlett Packard GC [Met  
Lab File ID: 11270621.D  
Initial Weight/Volume: 1000 mL  
Final Weight/Volume: 10 mL  
Injection Volume:  
Column ID: PRIMARY

MSD Lab Sample ID: 560-2534-7      Analysis Batch: 560-6721  
Client Matrix: Water      Prep Batch: 560-6500  
Dilution: 1.0  
Date Analyzed: 11/27/2006 1801  
Date Prepared: 11/15/2006 1700

Instrument ID: Hewlett Packard GC [Meth:  
Lab File ID: 11270622.D  
Initial Weight/Volume: 1000 mL  
Final Weight/Volume: 10 mL  
Injection Volume:  
Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Aroclor 1016	107	111	50 - 135	4	30		
Aroclor 1260	39	40	50 - 135	3	30	F	F
Surrogate							
Tetrachloro-m-xylene	89		94			25 - 140	
DCB Decachlorobiphenyl	26	X	24	X			42 - 133

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Entact Environmental Services, LLC

Job Number: 560-2534-1

**Method Blank - Batch: 560-6550**

**Method: 8082**

**Preparation: 3520C**

Lab Sample ID: MB 560-6550/1-AA

Analysis Batch: 560-6614

Instrument ID: Hewlett Packard GC [Meth]

Client Matrix: Water

Prep Batch: 560-6550

Lab File ID: 11200635.D

Dilution: 1.0

Units: ug/L

Initial Weight/Volume: 1000 mL

Date Analyzed: 11/21/2006 0016

Final Weight/Volume: 10 mL

Date Prepared: 11/16/2006 1238

Injection Volume:

Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor 1016	0.17	U	0.17	0.50
Aroclor 1221	0.17	U	0.17	0.50
Aroclor 1232	0.17	U	0.17	0.50
Aroclor 1242	0.17	U	0.17	0.50
Aroclor 1248	0.17	U	0.17	0.50
Aroclor 1254	0.17	U	0.17	0.50
Aroclor 1260	0.17	U	0.17	0.50

Surrogate	% Rec	Acceptance Limits	
Tetrachloro-m-xylene	103	25 - 140	
DCB Decachlorobiphenyl	31	X	42 - 133

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Entact Environmental Services, LLC

Job Number: 560-2534-1

### Lab Control Spike/ Lab Control Spike Duplicate Recovery Report - Batch: 560-6550

Method: 8082  
Preparation: 3520C

LCS Lab Sample ID: LCS 560-6550/2-AA  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 11/21/2006 0034  
Date Prepared: 11/16/2006 1238

Analysis Batch: 560-6614  
Prep Batch: 560-6550  
Units: ug/L

Instrument ID: Hewlett Packard GC [Meth]  
Lab File ID: 11200636.D  
Initial Weight/Volume: 1000 mL  
Final Weight/Volume: 10 mL  
Injection Volume:  
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 560-6550/3-AA  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 11/21/2006 0051  
Date Prepared: 11/16/2006 1238

Analysis Batch: 560-6614  
Prep Batch: 560-6550  
Units: ug/L

Instrument ID: Hewlett Packard GC [Met]  
Lab File ID: 11200637.D  
Initial Weight/Volume: 1000 mL  
Final Weight/Volume: 10 mL  
Injection Volume:  
Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Aroclor 1016	116	124	50 - 135	6	30		
Aroclor 1260	92	97	50 - 135	5	30		
<hr/>							
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Tetrachloro-m-xylene	111		114		25 - 140		
DCB Decachlorobiphenyl	30		X		42 - 133		

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Entact Environmental Services, LLC

Job Number: 560-2534-1

### Method Blank - Batch: 560-6471

Lab Sample ID: MB 560-6471/1-AA  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 11/15/2006 1939  
Date Prepared: 11/15/2006 1030

Analysis Batch: 560-6502  
Prep Batch: 560-6471  
Units: ug/L

### Method: 6020

Preparation: 3010A  
Dissolved

Instrument ID: Agilent ICPMS  
Lab File ID: N/A  
Initial Weight/Volume: 50 mL  
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Ag	0.10	U	0.10	0.50
As	0.10	U	0.10	0.50
Ba	0.67	J	0.10	5.0
Cd	0.10	U	0.10	0.50
Cr	0.11	U	0.11	2.0
Ni	0.10	U	0.10	0.50
Pb	0.10	U	0.10	0.50
Se	0.10	U	0.10	0.50
Zn	5.0	U	5.0	10

### Method Blank - Batch: 560-6471

Lab Sample ID: MB 560-6471/1-AA  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 11/27/2006 1751  
Date Prepared: 11/15/2006 1030

Analysis Batch: 560-6695  
Prep Batch: 560-6471  
Units: ug/L

Method: 6020  
Preparation: 3010A  
Dissolved

Instrument ID: Agilent ICPMS  
Lab File ID: N/A  
Initial Weight/Volume: 50 mL  
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Cr	0.21	J	0.11	2.0

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Entact Environmental Services, LLC

Job Number: 560-2534-1

### Lab Control Spike - Batch: 560-6471

**Method: 6020**

**Preparation: 3010A**

**Dissolved**

Lab Sample ID: LCS 560-6471/2-AA

Analysis Batch: 560-6502

Instrument ID: Agilent ICPMS

Client Matrix: Water

Prep Batch: 560-6471

Lab File ID: N/A

Dilution: 10

Units: ug/L

Initial Weight/Volume: 50 mL

Date Analyzed: 11/15/2006 1945

Final Weight/Volume: 50 mL

Date Prepared: 11/15/2006 1030

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Ag	400	493	123	80 - 120	*
As	800	1000	125	80 - 120	*
Ba	800	922	115	80 - 120	
Cd	400	462	116	80 - 120	
Cr	800	981	123	80 - 120	*
Ni	800	1000	125	80 - 120	*
Pb	400	487	122	80 - 120	*
Se	800	966	121	80 - 120	*
Zn	800	950	119	80 - 120	

### Lab Control Spike - Batch: 560-6471

**Method: 6020**

**Preparation: 3010A**

**Dissolved**

Lab Sample ID: LCS 560-6471/2-AA

Analysis Batch: 560-6695

Instrument ID: Agilent ICPMS

Client Matrix: Water

Prep Batch: 560-6471

Lab File ID: N/A

Dilution: 10

Units: ug/L

Initial Weight/Volume: 50 mL

Date Analyzed: 11/27/2006 1758

Final Weight/Volume: 50 mL

Date Prepared: 11/15/2006 1030

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cr	800	780	98	80 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Entact Environmental Services, LLC

Job Number: 560-2534-1

### Method Blank - Batch: 560-6372

Lab Sample ID: MB 560-6372/3-AA  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 11/13/2006 1502  
Date Prepared: 11/13/2006 1000

Analysis Batch: 560-6394  
Prep Batch: 560-6372  
Units: mg/L

### Method: 7470A

Preparation: 7470A  
Dissolved

Instrument ID: Mercury Analyzer Leeman ·  
Lab File ID: N/A  
Initial Weight/Volume: 50 mL  
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Hg	0.00013	U	0.00013	0.0020

### Lab Control Spike - Batch: 560-6372

Lab Sample ID: LCS 560-6372/4-AA  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 11/13/2006 1504  
Date Prepared: 11/13/2006 1000

Analysis Batch: 560-6394  
Prep Batch: 560-6372  
Units: mg/L

Method: 7470A  
Preparation: 7470A  
Dissolved

Instrument ID: Mercury Analyzer Leeman ·  
Lab File ID: N/A  
Initial Weight/Volume: 50 mL  
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Hg	0.00500	0.00589	118	80 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.



ENTACT

10.1, 3.2, 0.0, 1.3 1.6 3 1.6 2.8

## CHAIN OF CUSTODY RECORD

4040 West Royal Lane #136 • Irving, Texas 75063  
972.580.1323 • Fax 972.550.7464

Sealed

PROJECT NAME/LOCATION Sheridan  
PROJECT NUMBER D1031  
PROJECT MANAGER \_\_\_\_\_

7534

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SAMPLED BY		ANALYSES										TURN AROUND TIME					
(PRINT NAME)		SIGNATURE															
		SAMPLE ID		DESCRIPTION		PRESERVATIVE											
DATE	DATE	MATRIX	GRAB	COMP	HCl	HNO <sub>3</sub>	ICE	NONE	OTHER	VOCs 8240 B	SVOCS 8270 C	Metals 6010/7470 A	Pesticides 8081 A	PBBS 8032	PRIORITY RUSH 24 HR <input type="checkbox"/>	PRIORITY 3 DAY <input type="checkbox"/>	STANDARD <input type="checkbox"/>
11/9/06	1000	R2-A	Up river	✓	✓					✓	✓	✓	✓	✓			
		↓	↓	✓	✓					✓	✓	✓	✓	✓			
11/9/06	1020	R2-B		✓	✓					✓	✓	✓	✓	✓			
		↓	↓	✓	✓					✓	✓	✓	✓	✓			
11/9/06	1040	R2-C		✓	✓					✓	✓	✓	✓	✓			
		↓	↓	✓	✓					✓	✓	✓	✓	✓			
11/9/06	1100	R2-D		✓	✓					✓	✓	✓	✓	✓			
		↓	↓	✓	✓					✓	✓	✓	✓	✓			
11/9/06	1225	R1-D	Adjacent	✓	✓					✓	✓	✓	✓	✓			
		↓	↓	✓	✓					✓	✓	✓	✓	✓			
CONDITION OF SAMPLE: BOTTLES INTACT? YES / NO FIELD FILTERED? YES / NO				COC SEALS PRESENT AND INTACT? YES / NO VOLATILES FREE OF HEADSPACE? YES / NO						TEMPERATURE UPON RECEIPT:							
TPH (418.1), BTEX (8020), VOLATILES (8240), SEMI-VOLATILES (8270), TOTAL LEAD (6010), SPLP LEAD (7421), TCLP LEAD (6010), PCB (8080), PAH (8100)																	
RElinquished by:	Date	Time	Received by:	RElinquished by:	Date	Time	Received by:										
	11/9/06	1409	FedEx		11/10/06	930											
METHOD OF SHIPMENT			REMARKS:														
FedEx 8552 6162 5257																	



# ENTACT

## **CHAIN OF CUSTODY RECORD**

4040 West Royal Lane #136 • Irving, Texas 75063  
972.580.1323 • Fax 972.550.7464

PROJECT NAME/LOCATION \_\_\_\_\_  
PROJECT NUMBER \_\_\_\_\_  
PROJECT MANAGER \_\_\_\_\_

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## LOGIN SAMPLE RECEIPT CHECK LIST

Client: Entact Environmental Services, LLC

Job Number: 560-2534-1

**Login Number: 2534**

Question	T/F/NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	NA	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.2C,1.3C,1.6C,1.3C,1.6C,0.0C NOT FROZEN, 10.1C NOTIFIED PM/PM NOTIFIED CLIENT
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	



ENTACT

# Appendix B

**Appendix B**  
**Statistical Calculations**

Compound	Date	Benzene	Tetrachloroethylene	Trans-1,2-Dichloroethylene	Trichloroethylene	Total Arsenic
Alternate Concentration Limit		26	41	26	26	260
Trigger for RAP Preparation		4	6	4	4	40
Trigger for Increased Monitoring		1	2	1	1	10
R1-A ADJ	08/02/06	0.0002	0.0002	0.0002	0.00032	0.0047
	11/09/06	0.0002	0.0002	0.0002	0.00032	0.0031
R1-B ADJ	08/02/06	0.0002	0.0002	0.0002	0.00032	0.0045
	11/09/06	0.0002	0.0002	0.0002	0.00032	0.0036
R1-C ADJ	08/02/06	0.0002	0.0002	0.0002	0.00032	0.0041
	11/09/06	0.0002	0.0002	0.0002	0.00032	0.0036
R1-D ADJ	08/02/06	0.0002	0.0002	0.0002	0.00032	0.0054
	11/09/06	0.0002	0.0002	0.0002	0.00032	0.0040
R2-A <sup>1</sup> DOWN	08/02/06	0.0002	0.0002	0.0002	0.00032	0.0051
R2-A UP	11/09/06	0.0002	0.0002	0.0002	0.00032	0.0042
R2-B DOWN	08/02/06	0.0002	0.0002	0.0002	0.00032	0.0058
R2-B UP	11/09/06	0.0002	0.0002	0.0002	0.00032	0.0041
R2-C DOWN	08/02/06	0.0002	0.0002	0.0002	0.00032	0.0043
R2-C UP	11/09/06	0.0002	0.0002	0.0002	0.00032	0.0046
R2-D DOWN	08/02/06	0.0002	0.0002	0.0002	0.00032	0.0046
R2-D UP	11/09/06	0.0002	0.0002	0.0002	0.00032	0.0054

Note - all concentrations in mg/L

1 - Downgradient Brazos River Sample

J - Result is less than the RL but greater than or equal to the MOL and the concentration is an approximate value

**UPSTREAM BACKGROUND WATER QUALITY**

	Benzene	PCE	trans-1,2-DCE	TCE	Arsenic
Mean	0.0002	0.0002	0.0002	0.00032	0.004575
Variance	0.0002	0.0002	0.0002	0.00032	3.2734E-07

**ADJACENT BACKGROUND WATER QUALITY**

	Benzene	PCE	trans-1,2-DCE	TCE	Arsenic
Mean	0.0002	0.0002	0.0002	0.00032	0.004125
Variance	0.0002	0.0002	0.0002	0.00032	4.6438E-07

**NORMALITY DISTRIBUTION BY GEARY'S PROCEDURE**

ALL	Benzene	PCE	trans-1,2-DCE	TCE	Arsenic
Mean					0.00444375
SSS					7.959E-06
SAD					9.100E-03
The Test					1.140E+00
Significance					4.5630434

**DUNNETT'S PROCEDURE FOR ARSENIC**

	Adjacent	Upstream
Ex	0.0330	0.0381
xi	0.004125	0.0047625
xi-xo		-0.0006375
Ex2	0.00013984	0.00018407
Si2	0.00000053	0.00000037
Ti		